

Analysis

Problem 1 – Plant Leaflet

Form of output

A double sided A4 leaflet (this can be on two separate A4 pages)

Information to be output

- 1 Heading including plant name, plant picture, and care instructions (all on the same side)
- 2 Garden centre name, address and phone number
- 3 Garden centre logo
- 4 At least one garden centre photo
- 5 Details of what the garden centre sells
- 6 Opening times

The data needed to produce the output

- 1 Plant name (from booklet) plant picture, care instructions and logo (all on the disk)
- 2 Details of what the garden centre sells (on the disk)
- 3 Opening time details (in booklet and on disk)
- 4 Garden centre name, address and phone number can be copied from the business card (in the booklet)
- 5 Garden centre photo(s) (on the disk)

Desired outcomes and performance criteria

- 1 Has at least one garden centre photograph
- 2 Has garden centre name, address and phone number
- 3 Has the heading "How to Care for your Century Plant"
- 4 Plant name is large
- 5 Has details of caring for *Century Plant*
- 6 Has opening times for April - September
- 7 Has winter opening times
- 8 Has days closed
- 9 Has details of what the garden centre sells
- 10 Has logo
- 11 On 2 sides of A4
- 12 All details of Century Plant and photo on the same side
- 13 Latin names must be in italics
- 14 Leaflet must be in colour
- 15 Leaflet must be well laid out

Testing

Not needed

Analysis

Problem 2 – Plant Labels

Form of output

A printed set of plant labels (can be on plain paper rather than sticky labels)

Information to be output

- 1 Garden centre name
- 2 Latin name of plant
- 3 Height of plant
- 4 Width of plant
- 5 Flowering period
- 6 Price
- 7 Logo
- 8 Colourful border

Data needed to produce output

- 1 Name of plant, height, width, flowering period, price (from the plant file on disk).
- 2 Garden Centre name
- 3 Flowering period required
- 4 Logo (on disk)

Desired Outcomes and performance criteria

- 1 Labels must have garden centre name
- 2 Labels must have logo
- 3 Label must have a colourful border
- 4 The label must be about 5cm high by 9cm wide
- 5 The system should produce the correct plant labels for all plants flowering in a particular period
- 6 Price must be clear
- 7 Label has Latin name of plant, height, width, flowering period and price
- 8 Latin name is in italics

Testing

Testing is required

Analysis

Problem 3 – Pond Calculator

Form of output

Screen display of model and 2 printouts (one for each customer)

Information to output

- 1 The final cost of the pond kit
- 2 The cost of the pond liner, underliner, underwater plants, decorative plants, waterlily and fountain
- 3 Customer name

Data needed to produce the output

- 1 Length, width and depth of the pond in metres to the nearest centimetre (0.01m)
 - 2 Cost of the liner (£4.40 a square metre)
 - 3 Cost of underliner (90p a square metre)
 - 4 Cost of an underwater plant bunch (50p)
 - 5 Cost of a decorative plant pack (£3.50)
 - 6 Cost of a water lily (£8.50)
 - 7 Cost of a fountain (£55)
 - 8 Customers' names
- (All information is in the booklet)

Desired outcomes and performance criteria

- 1 The system must allow the size of a pond to be altered and show the effect on price
- 2 It must be easy to change the length, width and depth of the pond
- 3 The model should work out the final cost of the pond kit
- 4 The model should show the individual costs of the pond liner, underliner, underwater plants, decorative plants, water lily and fountain
- 5 Fractions of plants must be rounded up to give whole numbers
- 6 The customer's name must be shown

Testing:

Testing is required

Analysis

Problem 4 - Website

Form of output

A website (plus print out of each page)

Information to output

1 Home page:

- a The name of the garden centre, address and phone number
- b A garden centre photo
- c The text about how plants are grown
- d Four pictures and text used as hyperlinks

2 Plant pages:

- a A heading
- b List of plants and prices
- c A picture of a plant
- d Picture and text used as hyperlinks

3 The Garden supplies page:

- a A heading
- b A picture of garden equipment
- c List of supplies and prices
- d Picture and text used as hyperlink to home page

Data needed to produce the output

1 Home Page:

- a The name, address and phone number of the garden centre, (copied from business card in the booklet)
- b Garden centre photo (on disk)
- c Pictures for hyperlinks, one to each of the other four pages (pictures on disk)
- d Text for hyperlinks to the other four pages (typed in)
- e Text about how plants are grown (on the disk)

2 Plant pages:

- a Heading (Trees and Shrubs, Herbaceous Perennials, Bedding and Rockery Plants)
- b Picture of plant (on disk)
- c Plant names and prices (on disk)
- d Picture to make the hyperlink back to the home page (picture on disk)
- e Text to make a hyperlink back to home page

3 Garden Supplies page:

- a Heading, Garden supplies (to be typed in)
- b Picture of equipment (on disk)
- c Items and prices in a text file (on disk)
- d Picture to make hyperlink to home page (picture on disk)
- e Text to make hyperlink to home page

Desired Outcomes and performance criteria

- 1 Pages must have a consistent layout and style
- 2 Must be attractive
- 3 Must have a home page with a garden centre photo
- 4 Must have name, address and phone number of garden centre on home page
- 5 Must have text and graphic hyperlinks to the other four pages on home page
- 6 Text links on home page must be the same as titles on the other pages
- 7 Must have text about how plants are grown on home page
- 8 Must have home page and four product pages (Trees and Shrubs, Herbaceous Perennials, Bedding and Rockery Plants, and Garden Supplies)
- 9 Each page has heading that is content of the page
- 10 Latin names are in italics
- 11 Links back to home page all use the same graphic
- 12 Each product page has suitable picture of product

Testing

Testing is required

Analysis**Problem 5 – Plant List System**Form of output:

A printed list

Information to be output:

- 1 Garden centre name, ² logo, ³ light needed
- 4 Common name, ⁵ height, ⁶ width, ⁷ flowering period for the required plants
- 8 Headings for columns

Data needed to produce output:

- 1 Plant database (on disk)
- 2 Height and width and light requirements for query
- 5 Garden centre name (in the booklet)
- 6 Headings for columns on list – common name, height, width, flowering period, (can use field names from database or type these in).
- 7 Logo (on disk)

Desired outcomes and performance criteria:

- 1 Output must be list format
- 2 Must have garden centre name, logo and light needed on the top of the page
- 3 Must show the correct fields (common name, maximum height, maximum width and flowering period)
- 4 Must not show other fields
- 5 Must be a system for producing lists of plants meeting height, width and light needed
- 6 System must be easy to use

Testing:

Testing is required