[](http://www.franklin.ac.uk/)

**Arrays Products and Prisoners**

**1) Products**

Here are details of 5 products:

**Product Price**

MP3 Player 46.50

Docking Station 123.25

50” TV 499.50

Digital Camera 84.00

SD Card 64GB 35.39

You need to write a program which does the following:

1) Allows you to set up the details into two arrays.

2) Outputs all the details as above

3) Allows a search for a product then outputs that product’s price - or gives a message ‘no such product’

4) Allows a search for a price then outputs that product’s details - or gives a message ‘no such price’

**2) Prisoner example**

Here are details of 5 prisoners:

**Name Age Cell Number Sentence in Years**

Fred 46 4 5

Bill 33 3 1

Mary 42 2 10

Jean 30 11 11

Martin 35 12 15

You need to write a program which does the following:

1. Allows you to set up the details into four arrays.
2. Outputs all the details
3. Outputs all details for those prisoners who have a sentence of 10 years or more
4. Outputs the name age and cell for prisoners who have a cell number of less than 10
5. Outputs the name of those prisoners who will be 50 or over at the end of their sentence
6. Allows a search for a name then outputs that persons details - or gives a message ‘no such name’
7. Allows a search for a cell then outputs that persons details - or gives a message ‘no such cell’