Lab 3- Arrays

1. Create a program based on the following specifications:

General Description:

This program accepts sales amount from the user for a specific item credited to a salesperson. The program will then compute the total sales per salesperson. The program should make use of one-dimensional arrays and two-dimensional array.

a) The program should have an array that contains the names of the salesperson. The names of the salesperson are as follows:

```
1. Jericho Rosales
2. Lisa Soberano
3. Kim Chiu
4. Maja Salvador
5. Katheryn Bern
6. Daniel Padilla
```

b) The program should have an array that contains the names of the items to be sold. The names of the item to be sold are as follows:

```
1. Washing Machine
2. Refrigerator
3. Music System
```

c) At the start of the program, it will prompt the user to choose a salesperson.

```
Sales Registry

1. Jericho Rosales
2. Lisa Soberano
3. Kim Chiu
4. Maja Salvador
5. Katheryn Bern
6. Daniel Padilla

Select the Salesperson by typing his ordinal number
```

d) If the user inputs a value that is not within the range of salesperson numbers (1 to 6), the program will prompt the user of the invalid entry and ask the user to try again.

e) Once the user enters the correct ordinal number representing the salesperson, the program will then prompt the user to enter the product.

```
Products

1. Washing Machine
2. Refrigerator
3. Music System

Select the product by typing the product ordinal number
```

f) If the user, inputs a value that is not within the range of the product ordinal number (1 to 3), the program will prompt the user of the invalid entry and ask the user to try again.

g) Once the user enters the correct ordinal number representing the product, the program will then prompt the user to enter the amount. He will also be asked if he wants to enter more sales:

```
Products

1. Washing Machine
2. Refrigerator
3. Music System

Select the product by typing the product ordinal number 1
Enter the sales amount 58.50
Do you want to enter more sales? Type y for yes and n for no
```

h) If he answers yes, he will then be asked to choose a salesperson again. The output will be similar to letter c.

i) If the user enters another sale for the same salesperson and the same product, the sales amount will be added.

j) When, the finally the user enter n or no, the final tally of the sales should be displayed.

```
           Sales Summary


Salesman Name  Washing MachineRefrigeratorMusic System
Jericho Rosales      23.45       0.00       0.00
Lisa Soberano        0.00        0.00      67.45
Kim Chiu             0.00        0.00      45.60
Maja Salvador        0.00        0.00       0.00
Katheryn Bern        0.00        0.00       0.00
Daniel Padilla       0.00        0.00       0.00
```

Note: The final sales tally should be saved in a two-dimensional array where the salesperson are the rows and the columns are the products.