Worksheet 4 – Conditionals

Task 1:

Open a new window and save it *worksheet4_task1.py*. Write an application to ask the user to enter a number.

If the number is:

- positive print "Positive number"
- negative print "Negative number"
- zero print "Neutral"

Task 2:

Open a new window and save it *worksheet4_task2.py*. Write a program to ask user 6 different questions about capital cities and for every correct question the user will achieve 2 points. Store the capital cities in a string. Finally print the total amount of points achieved.

The following are the questions to be asked:

What is capital city of USA?

What is the capital city of Germany?

What is the capital city of Australia?

What is the capital city of Malta?

What is the capital city of Italy?

What is the capital city of Spain?

Task 3:

Open a new window and save it *worksheet4_task3.py*. Write a program that outputs 'Odd number' or 'Even number' when a user inputs an integer.

Hint: use % to check for the remainder.

Task 4:

Open a new window and save it *worksheet4_task4.py*. Next month, Malta will be playing a football match against Italy. You were asked to write an application for the clients to calculate the total amount for the tickets. The following table is a price list depending on age and seating.

WA – West A Stand

WC – West C Stand

M – Millennium Stand

	WA	WC	M
Child (under 12)	10	10	5
Adult (between 13 and 59)	20	20	12
Pensioner (over 60)	15	15	10

Example : if a client purchases 2 adult tickets and 1 child ticket and chooses 'M' stand the total amount to pay is €29

Hint: You need to ask the user his/her age, number of tickets in that category and seating position. Make sure that all variables are labeled correctly

Output should be similar to this:

```
File  Edit  Shell  Debug  Options  Windows  Help
Python 2.7.9 (default, Dec 10 2014, 12:24:55) [MSC v
32
Type "copyright", "credits" or "license()" for more :
>>> ============================= RESTART ======:
>>>
Select one of these sections : WA, WC, M: m
Enter number of adults 2
Enter number of children 1
Enter number of pensioners 0
('Total price is : Eur', 29)
>>>
```

Task 5:

Open a new window and save it *worksheet4_task5.py*. Write a program to read temperature in centigrade and display a suitable message according to temperature state below:

Temp < 0 then Freezing weather
Temp 0-10 then Very Cold weather
Temp 11-20 then Cold weather
Temp 21-30 then Normal in Temp
Temp 31-39 then its Hot
Temp >=40 then Its Very Hot