WEEK 5 LAB Exercise

1. Write a Python program to create a class and display the namespace of the said class.
2. Write a Python program to create an instance of a specified class and display the namespace of the said instance.
3. builtins' module provides direct access to all 'built-in' identifiers of Python.   
   Write a python program which import the abs() function using the builtins module, display the documentation of abs() function and find the absolute value of -155.
4. Define a Python function student(). Using function attributes display the names of all arguments.
5. Write a Python function student\_data () which will print the id of a student (student\_id). If the user passes an argument student\_name or student\_class the function will print the student name and class.

Example:

*student\_data(student\_id='123')*

*student\_data(student\_id='123', student\_name='zhangsan')*

*student\_data(student\_id='123', student\_name='zhangsan', student\_class = ‘class1’)*

1. Write a Python program to crate two empty classes, Student and Marks. Now create some instances and check whether they are instances of the said classes or not.
2. Write a Python class to convert an integer to a roman numeral.
3. Write a Python class named Student with two instances student1, student2 and assign given values to the said instances attributes. Print all the attributes of student1, student2 instances with their values in the given format.

***Input values of the instances:*** *student\_1: student\_id = "111" student\_name = "Zhangsan"  
student\_2: student\_id = "123" marks\_language = 80  
marks\_science = 90 marks\_math = 95****Expected Output:*** *student\_id -> 111 student\_name -> Zhangsan  
student\_id -> 123 marks\_language -> 80 marks\_science -> 90 marks\_math -> 95*

9. Write a Python class named Student with two attributes student\_name, marks. Modify the attribute values of the said class and print the original and modified values of the said attributes.