PYTHON PROGRAMMING

Lab Cycle- 2

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Roll No: 55

1. **Write a Python code to find Max and Min in a Set**

Q1(maxset).py

```
set = {15, 10, 30, 150, 200, 20}
print("\nMaximum value:")
print(max(set))
print("\nMinimum value:")
print(min(set))
```

OUTPUT

Run: Q1(maxset)

```
C:\Users\Vaidehi\PycharmProjects\lab2\venv\Scripts\python.exe C:/Users/Vaidehi/PycharmProjects/lab2/Q1(maxset).py

Maximum value:
200

Minimum value:
10

Process finished with exit code 0
```

Run | TODO | Problems | Terminal | Python Packages | Python Console

2. **Write a Python code to create a dictionary and display its keys and values**

```python
Dict = {1: 'Amal', 2: 'Jyothi', 3: 'MCA'}
print("Keys are: ")
print(Dict.keys())
print("Values are: ")
print(Dict.values())
```

OUTPUT

```
C:\Users\Vaidehi\PycharmProjects\lab2\venv\Scripts\python.exe C:/Users/Vaidehi/PycharmProjects/lab2/Q2(dict).py
Keys are:
dict_keys([1, 2, 3])
Values are:
dict_values(['Amal', 'Jyothi', 'MCA'])

Process finished with exit code 0
```

3. Write a Python code to remove items from set

```python
num_set = set([0, 1, 3, 4, 5])
num_set.pop()
print("After removing the set is:")
print(num_set)
```

OUTPUT

```
C:\Users\Vaidehi\PycharmProjects\lab2\venv\Scripts\python.exe C:/Users/Vaidehi/PycharmProjects/lab2/Q3(removeset).py
After removing the set is:
{1, 3, 4, 5}

Process finished with exit code 0
```

4. Write a Python code to find the size of dictionary

```
Q4(dictlen).py
1  dict = {'Name': 'Zara', 'Age': 7, 'Place': 'USA'};
2  print ("Length : %d" % len (dict))
```

OUTPUT

```
Run:  Q4(dictlen)
C:\Users\Vaidehi\PycharmProjects\lab2\venv\Scripts\python.exe C:/Users/Vaidehi/PycharmProjects/lab2/Q4(dictlen).py
Length : 3

Process finished with exit code 0

Run  TODO  Problems  Terminal  Python Packages  Python Console
```

5. **Write a Python program to convert the temperature in degree centigrade to fahrenheit**

```python
celsius = float(input('Enter temperature in Celsius: '))
fahrenheit = (celsius * 1.8) + 32
print('%0.1f degree Fahrenheit' % (fahrenheit))
```

OUTPUT

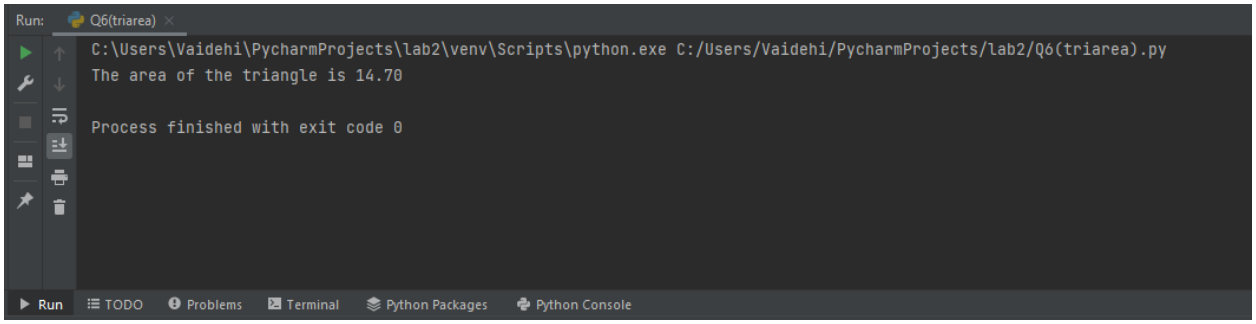
```
C:\Users\Vaidehi\PycharmProjects\lab2\venv\Scripts\python.exe C:/Users/Vaidehi/PycharmProjects/lab2/Q4(temp).py
Enter temperature in Celsius: 50
122.0 degree Fahrenheit

Process finished with exit code 0
```

6. Write a Python program to find area of a triangle whose sides are given

Q6(triarea).py

```
a = 5
b = 6
c = 7
s = (a + b + c) / 2
area = (s*(s-a)*(s-b)*(s-c)) ** 0.5
print('The area of the triangle is %0.2f' %area)
```

OUTPUT



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