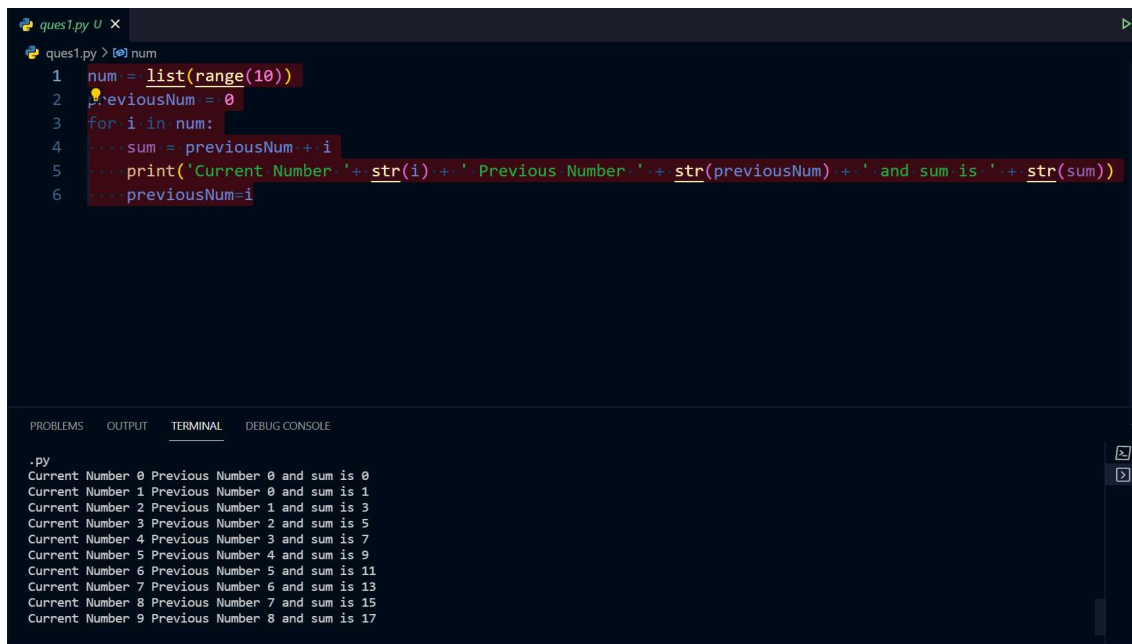


Name: Mihir Ashish Vora

Nibodh Assignment 8

Question 1:



```
ques1.py U X
ques1.py > num
1 num = list(range(10))
2 previousNum = 0
3 for i in num:
4     sum = previousNum + i
5     print('Current Number: ' + str(i) + ' Previous Number: ' + str(previousNum) + ' and sum is: ' + str(sum))
6     previousNum = i
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
.py
Current Number 0 Previous Number 0 and sum is 0
Current Number 1 Previous Number 0 and sum is 1
Current Number 2 Previous Number 1 and sum is 3
Current Number 3 Previous Number 2 and sum is 5
Current Number 4 Previous Number 3 and sum is 7
Current Number 5 Previous Number 4 and sum is 9
Current Number 6 Previous Number 5 and sum is 11
Current Number 7 Previous Number 6 and sum is 13
Current Number 8 Previous Number 7 and sum is 15
Current Number 9 Previous Number 8 and sum is 17
```

Question 2:

```
ques2.py U x
ques2.py
1 list=[]
2 i=0
3 while(i<5):
4     print('Enter number to append in list')
5     n=int(input())
6     list.append(n)
7     i=i+1
8 if(list[0]==list[len(list)-1]):
9     print("First and Last number of list are same")
10    print(True)
11 else:
12    print("First and Last number of list are not same")
13    print(False)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
Enter number to append in list
10
Enter number to append in list
20
Enter number to append in list
30
Enter number to append in list
20
Enter number to append in list
10
First and Last number of list are same
True
```

Question 3:

```
ques3.py U x
ques3.py > ...
1  for i in range(1,6):
2      for j in range(1,i+1):
3          print(i,end=" ")
4      print("")

PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

mihir@LAPTOP-KN41H2A7 MINGW64 /d/Web/Nibodh/Assignments/Assignment8 (master)
$ C:/Users/mihir/AppData/Local/Microsoft/WindowsApps/python3.9.exe d:/Web/Nibodh/Assignments/Assignment8/ques3
.py
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

Question:4

```
ques4.py U x
ques4.py > ...
1  n = int(input("Enter the number to reverse: "))
2
3  while(n>0):
4      t = n%10
5      print(t)
6      n = int(n/10)

PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

mihir@LAPTOP-KN41H2A7 MINGW64 /d/Web/Nibodh/Assignments/Assignment8 (master)
$ C:/Users/mihir/AppData/Local/Microsoft/WindowsApps/python3.9.exe d:/Web/Nibodh/Assignments/Assignment8/ques4
.py
Enter the number to reverse: 1234
4
3
2
1
```

Question 5:

```
ques5.py U x
ques5.py > ...
1 def areaSquare(side):
2     return side*side
3 print("Area of square is ",areaSquare(9))
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

mihir@LAPTOP-KN41H2A7 MINGW64 /d/Web/Nibodh/Assignments/Assignment8 (master)
\$ C:/Users/mihir/AppData/Local/Microsoft/WindowsApps/python3.9.exe d:/Web/Nibodh/Assignments/Assignment8/ques5.py
Area of square is 81

Question 6:

```
ques6.py U x
ques6.py > ...
1 lower = 1
2 upper = 30
3 print("First 10 prime numbers are")
4
5 for num in range(lower, upper + 1):
6     if num > 1:
7         for i in range(2, num):
8             if (num % i) == 0:
9                 break
10        else:
11            print(num)
12
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

First 10 prime numbers are
2
3
5
7
11
13
17
19
23
29

Question 7:

```
ques7.py U X
ques7.py > ...
1 num=int(input('Enter the number to which you want to sum\n'))
2 sum=0
3 for i in range(1,num+1):
4     sum+=i
5 print("Sum of numbers from 1 to",num,"is",sum)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
mihir@LAPTOP-KN41H2A7 MINGW64 /d/Web/Nibodh/Assignments/Assignment8 (master)
$ C:/Users/mihir/AppData/Local/Microsoft/WindowsApps/python3.9.exe d:/Web/Nibodh/Assignments/Assignment8/ques7.py
Enter the number to which you want to sum
10
Sum of numbers from 1 to 10 is 55
```

Question 8:

```
ques8.py U X
ques8.py > ...
1 list=[2,65,3,54,20,100,7,5,85,155,77,98]
2 for i in list:
3     if(i>150):
4         break
5     if(i%5==0):
6         print(i)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
mihir@LAPTOP-KN41H2A7 MINGW64 /d/Web/Nibodh/Assignments/Assignment8 (master)
$ C:/Users/mihir/AppData/Local/Microsoft/WindowsApps/python3.9.exe d:/Web/Nibodh/Assignments/Assignment8/ques8.py
65
20
100
5
85
```

```
ques 9: SELECT DISTINCT DEPARTMENT FROM WORKER;

ques 10: SELECT * FROM WORKER ORDER BY FIRST_NAME;

ques 11: SELECT * FROM WORKER
        ORDER BY FIRST_NAME,DEPARTMENT DESC;

ques 12: SELECT * FROM WORKER

        WHERE FIRST_NAME='Vipul' OR FIRST_NAME='Satish';

ques 13: SELECT * FROM WORKER
        WHERE
        NOT(FIRST_NAME='Vipul' OR FIRST_NAME='Satish');

ques 14: SELECT * FROM WORKER WHERE DEPARTMENT='Admin';
```