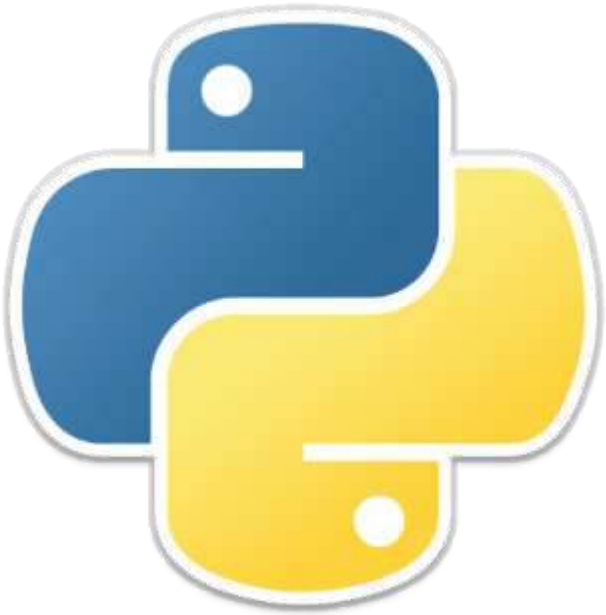

Python Practical's

TASK 3

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Practical 1

WRITE A PROGRAM TO FIND WHETHER THE GIVEN NUMBER FROM USER IS POSITIVE, NEGATIVE OR ZERO.

```
number=int(input("Enter Number "))
if number>0:
    print(f"Number is Positive")
elif number<0:
    print(f"Number is Negative")
else:
    print("Number is Zero")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical1.py
Enter Number 43
Number is Positive
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```

Practical 2

WRITE A PROGRAM TO SPLIT THE INPUT DATA INTO RUPEES AND PAISA (FOR EG. INPUT 59.47 AS RS 59 AND 47 PAISA).

```
number=input("Enter Money: ")
money=number.split('.')
print(f"rupees: {money[0]} and paisa: {money[1]}")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical2.py
Enter Money: 67.89
rupees: 67 and paisa: 89
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```

Practical 3

WRITE A PROGRAM TO CALCULATE NUMBER OF SECONDS GIVEN BY USER INTO H:M:S.

```
seconds=int(input("Enter Seconds: "))
minutes=0
hour=0
for i in range(1,seconds):
    if i%60==0:
        minutes+=1
        if minutes>60:
            hour+=1
            minutes=0

seconds%=60
print(f"{hour}:{minutes}:{seconds}")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical3.py
Enter Seconds: 7200
1:58:0
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```

Practical 4

WRITE A PYTHON PROGRAM TO COUNT THE NUMBER OF EVEN AND ODD NUMBERS FROM A SERIES 1 TO N (N WILL BE ENTERED BY USER).

```
N=int(input("Enter N Limit "))
odd=0
even=0
for i in range(1,N+1):
    if i%2==0:
      odd+=1
    else:
       even+=1
print(f"Odd Count:{odd}")
print(f"Even Count {even}")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical4.py
Enter N Limit 100
Odd Count:50
Even Count 50
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```

Practical 5

WRITE A PYTHON PROGRAM TO PRINT THOSE NUMBERS WHICH ARE DIVISIBLE BY 7 AND MULTIPLE OF 5, BETWEEN 1500 AND 2700 (BOTH INCLUDED), ALSO PRINT TOTAL OF SUCH NUMBERS.

```
for i in range(1500,2700):
    if i%7==0 and i%5==0:
        print(i,end=" ")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical5.py
1505 1540 1575 1610 1645 1680 1715 1750 1785 1820 1855 1890 1925 1960 1995 2030 2065 2100 2135 2170 2205 2240 2275 2310 2345 2380 2415 2450 2485 2520 2555 2590 2625
2660 2695
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```

Practical 6

WRITE A PYTHON PROGRAM TO GUESS A NUMBER BETWEEN 1 TO 10. USER IS PROMPTED TO ENTER A GUESS. IF THE USER GUESSES WRONG THEN THE PROMPT APPEARS AGAIN UNTIL THE GUESS IS CORRECT, ON SUCCESSFUL GUESS, USER WILL GET A “CORRECT!!!!" MESSAGE, AND THE PROGRAM WILL EXIT.

```
import random
while True:
    number=int(input("Enter Any Random Number: "))
    computer_guss=random.randrange(1,10)
    if number==computer_guss:
        print("Correct!!!!")
        break
    else:
        print("Computer Guss:",computer_guss)
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical6.py
Enter Any Random Number: 1
Computer Guss: 2
Enter Any Random Number: 1
Computer Guss: 6
Enter Any Random Number: 1
Computer Guss: 6
Enter Any Random Number: 1
Computer Guss: 3
Enter Any Random Number: 1
Correct!!!!
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```

Practical 7

WRITE A PYTHON PROGRAM TO PERFORM FOLLOWING OPERATIONS ON LIST AND DISPLAY
THE RESULTS AFTER EACH OPERATION:
(I) CREATE LIST WITH ELEMENTS 57, 89, 78 AND 1.
(II) INSERT 50 ON THIRD POSITION AND 25 ON FIRST POSITION.
(III) DELETE SECOND LAST ELEMENT OF THE LIST.
(IV) REVERSE THE LIST
(V) FIND MAXIMUM AND MINIMUM OF THE LIST
(VI) SORT THE LIST

```
# Assuming position=index+1
myList=[57,89,78,1]
print("List: ",myList)
myList.insert(2,50)
print("i.",myList)
myList.insert(0,25)
print("ii.",myList)
myList.pop(-2)
print("iii.",myList)
myList.reverse()
print("iv.",myList)
print("v. Maximum ",max(myList),"Minimum",min(myList))
myList.sort()
print("vi.",myList)
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical7.py
List:  [57, 89, 78, 1]
i. [57, 89, 50, 78, 1]
ii. [25, 57, 89, 50, 78, 1]
iii. [25, 57, 89, 50, 1]
iv. [1, 50, 89, 57, 25]
v. Maximum  89 Minimum 1
vi. [1, 25, 50, 57, 89]
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```

Practical 8

WRITE A PYTHON PROGRAM TO TO PERFORM FOLLOWING OPERATIONS ON TUPLE AND DISPLAY THE RESULTS AFTER EACH OPERATION:

(I) CREATE TUPLE WITH ELEMENTS 65,12, 78 ,12, 23 AND 7

(II) DISPLAY 4TH ELEMENT FROM STARTING AND 2ND ELEMENT FROM LAST.

(III) COUNT THE OCCURENCE OF 12 IN THE TUPLE

(III) CREATE TUPLE CONTAINING ALL YOUR SUBJECTS

(IV) FIND MINIMUM AND MAXIMUM FROM BOTH THE TUPLE

```
myTuple=(65,12,78,12,23,7)
print("i.",myTuple)
print("ii. from startring:",myTuple[3],"from last:",myTuple[-2])
print("iii. occurence:",myTuple.count(12))

subjects=("DAA","NoSQL","Python","OOAD","CCV")
print("iv. Minimum:",min(myTuple),"Maximum:",max(myTuple))
print("iv. Minimum:",min(subjects),"Maximum:",max(subjects))
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3> py practical8.py
i. (65, 12, 78, 12, 23, 7)
ii. from startring: 12 from last: 23
iii. occurence: 2
iv. Minimum: 7 Maximum: 78
iv. Minimum: CCV Maximum: Python
PS D:\LEARNING\COLLAGE\SAM7\Python\collage\task3>
```