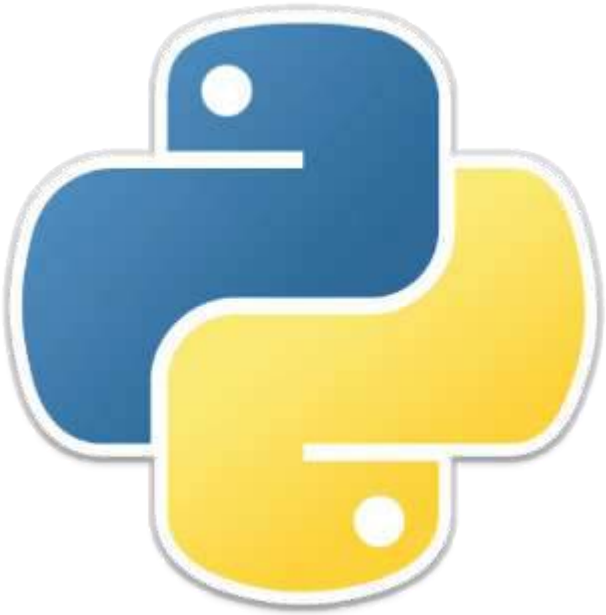

Python Practical's

TASK 1

Smit Joshi | 06-08-2023

Practical 1

WRITE A PROGRAM TO PRINT NUMBERS FROM 1 TO 50

```
for i in range(1,51):
    print(i,end=" ")
```

Output:

Practical 2

WRITE A PROGRAM TO PRINT ALL THE NUMBERS B/W 11 TO 100 WHICH ARE MULTIPLE OF 7

```
for i in range(7,100,7):
    print(i,end=" ")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical2.py
7 14 21 28 35 42 49 56 63 70 77 84 91 98
PS D:\LEARNING\COLLAGE\SAM7\Python\collage>
```

Practical 3

WRITE ANY PROGRAM TO PRINT NUMBERS FROM 75 TO 21 IN REVERSE ORDER

```
i=75
while i>=21:
    print(i,end=" ")
    i-=1
```

Output:

Practical 4

WRITE A PROGRAM TO GET 3 NUMBERS FROM USER AND FIND THE LARGEST NUMBER FROM IT AND PRINT THE RESULT

```
num1=int(input("Enter number 1 "))
num2=int(input("Enter number 2 "))
num3=int(input("Enter number 3 "))

if num1>num2 and num1>num3:
    print(f"{num1} is largest")
elif num2>num3:
    print(f"{num2} is largest")
else:
    print(f"{num3} is largest")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical4.py
Enter number 1 30
Enter number 2 50
Enter number 3 10
50 is largest
PS D:\LEARNING\COLLAGE\SAM7\Python\collage>
```

Practical 5

WRITE A PROGRAM TO TAKE PERCENTAGE OF STUDENT AS AN INPUT AND DISPLAY THE GRADE OF STUDENT

IF PER >=85 GRADE A
PER >=75 AND <85 GRADE B
PER >=65 AND <75 GRADE C
PER >=55 AND <65 GRADE D
PER >=40 AND <55 GRADE E
PER <40 GRADE F

```
percentage=int(input("Enter Percentage: "))
grade=''
if percentage >=85: grade='A'
elif percentage >=75 and percentage<85:grade='B'
elif percentage>=65 and percentage <75:grade='C'
elif percentage>=55 and percentage<65:grade='D'
elif percentage>=40 and percentage<55:grade='E'
elif percentage<40:grade='F'
print(f"Your Grade is {grade}")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical5.py
Enter Percentage: 90
Your Grade is A
```

Practical 6

WRITE A PROGRAM TO TAKE INPUT FROM USER AND FIND WHEATHER THE NUMBER IS EVEN OR ODD

```
number=int(input("Enter Number : "))
if number%2==0:
    print(f"{number} is Even")
else:
    print(f"{number} is odd")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical6.py
Enter Number : 10
10 is Even
```

Practical 7

#WRITE A PROGRAM TO TAKE 7 NUMBERS FROM USER AND CALCULATE THE SUM OF THOSE 7 NUMBERS & DISPLAY RESULTS

```
sum=0
for i in range(1,8):
    sum+=int(input(f"Enter Number {i} "))
print(f"the summation is {sum}")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical7.py
Enter Number 1 10
Enter Number 2 20
Enter Number 3 10
Enter Number 4 30
Enter Number 5 44
Enter Number 6 23
Enter Number 7 90
the summation is 227
PS D:\LEARNING\COLLAGE\SAM7\Python\collage>
```

Practical 8

WRITE A PROGRAM TO CALCULATE SUM OF ALL THE NUMBERS B/W 71 TO 80

```
sum=0
for i in range(71,81):
    sum+=i
print(f"The sum is {sum}")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical8.py
The sum is 755
PS D:\LEARNING\COLLAGE\SAM7\Python\collage>
```

Practical 9

WRITE A PROGRAM TO FIND THE PRODUCT OF ALL THE NUMBERS B/W 21 TO 30

```
product=1
for i in range(21,31):
    product*=i
print(f"The product is {product}")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical9.py
The product is 109027350432000
PS D:\LEARNING\COLLAGE\SAM7\Python\collage>
```

Practical 10

#WRITE A PROGRAM TO FIND THE GIVEN NUMBER IS PRIME OR NOT

```
number=int(input("Enter Number : "))
flag=False
for i in range(2,number//2):
    if number%i==0:
        flag=True
        break
if not(flag): print(f"{number} is Prime Number")
else: print(f"{number} is not a Prime Number")
```

Output:

```
PS D:\LEARNING\COLLAGE\SAM7\Python\collage> py practical10.py
Enter Number : 5
5 is Prime Number
PS D:\LEARNING\COLLAGE\SAM7\Python\collage>
```