PROGRAMMING AND ALGORYTHM

ASSIGNMENT

SUBMITTED BY: NARENDRA MAHARJAN

1) **WAP to print the maximum number between two numbers:**

maxmin.py > ...

```
1   num1 = int(input("Enter your first number: "))
2   num2 = int(input("Enter your second number: "))
3
4   if num1>num2:
5       print(f"{num1} is greater than {num2}.")
6
7   elif num1==num2:
8       print (f"{num1} and {num2} are equal.")
9
10  else:
11      print(f"{num2} is greater than {num1}.")
12
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT

```
DYO@DESKTOP-A1O6T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py maxmin.py
Enter your first number: 10
Enter your second number: 20
 20 is greater than 10.

DYO@DESKTOP-A1O6T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py maxmin.py
Enter your first number: 10
Enter your second number: 10
10 and 10 are equal.

DY@DESKTOP-A1O6T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py maxmin.py
Enter your first number: 20
Enter your second number: 10
20 is greater than 10.
```

2) WAP to print the minimum number between two numbers.

min.py > ...

```python
num1 = int(input("Enter your first number: "))
num2 = int(input("Enter your second number: "))

if num1<num2:
    print(f"{num1} is smaller than {num2}.")

elif num1==num2:
    print (f"{num1} and {num2} are equal.")

else:
    print(f"{num2} is smaller than {num1}.")

```

OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT

```
DYO@DESKTOP-A1O6T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py min.py
Enter your first number: 10
Enter your second number: 20
10 is smaller than 20.
```

3) WAP to print the largest among three numbers.

three.py > ...

```python
num1 = int(input("Enter your first number: "))
num2 = int(input("Enter your second number: "))
num3 = int(input("Enter you third number: "))

if num1 >= num2 and num1 >= num3:
    print(f"{num1} is greater than both {num2} and {num3}")

elif num2 >= num1 and num2 >= num3:
    print(f"{num2} is greater than both {num1} and {num3}")

else:
    print(f"{num3} is greater than both {num1} and {num2}")
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT

```
DYO@DESKTOP-A106T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py three.py
Enter your first number: 10
Enter your second number: 20
Enter you third number: 30
30 is greater than both 10 and 20

DYO@DESKTOP-A106T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py three.py
Enter your first number: 10
Enter your second number: 30
Enter you third number: 20
30 is greater than both 10 and 20

DYO@DESKTOP-A106T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py three.py
Enter your first number: 30
Enter your second number: 20
Enter you third number: 10
30 is greater than both 20 and 10
```

4) WAP to print the smallest amount three numbers.

four.py > ...

```python
num1 = int(input("Enter your first number: "))
num2 = int(input("Enter your second number: "))
num3 = int(input("Enter your third number: "))

if num1 <= num2 and num1 <= num3:
    print(f"{num1} is smallest amoung 3 numbers.")
elif num2 <= num1 and num2 <=num3:
    print(f"{num2} is smallest amoung 3 numbers.")
else:
    print(f"{num3} is smallest amoung 3 numbers.")
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT

```
DYO@DESKTOP-A1O6T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py four.py
Enter your first number: 10
Enter your second number: 20
Enter your third number: 30
10 is smallest amoung 3 numbers.

DYO@DESKTOP-A1O6T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py four.py
Enter your first number: 20
Enter your second number: 10
Enter your third number: 30
10 is smallest amoung 3 numbers.

DYO@DESKTOP-A1O6T3O MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py four.py
Enter your first number: 30
Enter your second number: 20
Enter your third number: 10
10 is smallest amoung 3 numbers.
```

5) WAP to check whether the entered number is even or odd.

evenodd.py > ...

```python
num = int(input("Enter a number: "))

if num%2 == 0:
    print(f"{num} is even number.")

else:
    print(f"{num} is odd number.")
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT

```
DYO@DESKTOP-A106T30 MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py evenodd.py
Enter a number: 10
10 is even number.

DYO@DESKTOP-A106T30 MINGW64 ~/OneDrive/Documents/3rd SEM/Programming and Algorythm (OFF  git) (master)
$ py evenodd.py
Enter a number: 7
7 is odd number.
```