

Practical No: 2

Roll no. 2049

Q1) Check the number is positive or negative.

```
i=int(input("Enter a number"))
if i<0:
    print("This is negative number")
else:
    print("this is positive number")
```

Output:

```
=====
Enter a number23
this is positive number
```

Q2) Check the number is even or odd

```
i=int(input("Enter a number"))
if i%2==0:
    print("This is Even number")
else:
    print("this is odd number")
```

Output:

```
=====
Enter a number2
This is Even number
```

Q3) Check the year is leap or not

```
i=int(input("Enter a year"))
if i%4==0:
    print("This is leap year")
else:
    print("this is not leap year")
```

Output:

```
=====
Enter a year 2004
This is leap year
|
```

Q4) Check the greatest number among three number

```
first=int(input("Enter a first number"))
second=int(input("Enter a second number"))
third=int(input("Enter a third number"))
if first > second and first > third:
    print(f"greatest {first} number is")
elif second > first and second > third:
    print(f"second {second} greatest number")
else:
    print(f"third {third} greatest number")
```

Output:

```
=====
Enter a first number 3
Enter a second number34
Enter a third number24
second 34 greatest number
|
```

Q5) check the grade of student

```
first = int(input("Enter the first subject marks: "))
second = int(input("Enter the second subject marks: "))
```

```
third = int(input("Enter the third subject marks: "))
```

```
Total = first + second + third
```

```
Avg = Total / 3
```

```
if Avg < 50:
    print("Grade is D")
elif Avg < 70:
    print("Grade is C")
elif Avg < 80:
    print("Grade is B")
elif Avg < 90:
    print("Grade is A")
elif Avg < 100:
    print("Grade is A+")
else:
    print("Student has failed (invalid marks).")
```

Output:

```
= RESTART: C:/Users/DYP/Desktop/python pr
Enter the first subject marks: 78
Enter the second subject marks: 89
Enter the third subject marks: 79
Grade is A
|
```