3. # CONTROL FLOW: CONDITIONAL BLOCKS

1. Identify and Code, execute and debug programs using conditional statements.

a. Write a Program for checking whether the given number is an even number or not.

```
n = int(input("Enter the number"))
if (n % 2 == 0):
   print("The number {}  is even".format(n))
else:
   print("The number {} is odd".format(n))
```

OUTPUT :

```
Enter the number 2
The number 2  is even

Enter the number 85
The number 85 is odd
```

b. Program to find the largest of 3 numbers

```
a=int(input("Enter the  value for A"))
b = int(input("Enter the  value for B"))
c = int(input("Enter the  value for C"))
if a > b:
   if a > c:
      print("a value is big")
   else:
      print("c value is big")
elif b > c:
   print("b value is big")
else:
   print("c value is big")
```

 # OUTPUT:

```
Enter the  value for A 100
Enter the  value for B 200
Enter the  value for C 300
c value is big
```

c. Program to check weather the given number is positive or negative or zero

```
num=int(input("Enter the number"))
if num > 0:
   print(" {} is a Positive number".format(num))
elif num == 0:
   print(" Number is Zero")
else:
   print("{} is a Negative number".format(num))
```

 # OUTPUT

```
Enter the number 0
 Number is Zero
Enter the number -6
-6 is a Negative number
```

d. Program to Illustrate nested-if Ladder

```
perc=float(input("Enter Your Percentage: "))
if perc>=85:
    print("Distinction")
elif perc>=60:
    print("First Class")
elif perc>=40:
    print("Second Class")
elif perc>=30:
    print("Pass")
else:
    print("Fail")
```

Output:

```
Enter Your Percentage:  85
Distinction

Enter Your Percentage:  47
Second Class
```