PSG COLLEGE OF TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
PROBLEM SHEET - 2

1. Write a Python Program to check if an input number is even or odd

Expected Output:
Enter a number : 10
10 is an even number

Enter a number : 9
9 is an odd number

2. Write a Python Program to check whether the last digit of the number is 5 or not.
Expected Output:
Enter a number : 105
The last digit of 105 is 5

Enter a number : 922
The last digit of 922 is not 5.
3. Write a program to get two numbers and display whether they are equal or not.
Expected Output:
Enter number1 : 10
Enter number2 : 10
number1 and number2 are equal

Expected Output:
Enter number1 : 5
Enter number2 : 6
number1 and number2 are not equal
4. Write a program to get 4 digit pin number from the user. If the user enters 7878, display a message , Welcome to SBI Banking else if the user enters any other number display a message "enter a valid pin number".
Expected Output:
Enter the PIN : 7878
Welcome to SBI Banking
Enter number2 : 1024
Please enter a valid pin number

5.Write a Python Program to get a number and choice from the user. If the choice is 1 , Calculate and display the square of the number, else calculate and display the cube of the number.
Expected Output:
Enter the number:3
Enter the choice:1
The square of 3 is 9
Enter the number:2
Enter the choice:1
The cube of 2 is 8

6. Write a Python Program to find the whether the number is divisible by 3 and 5.
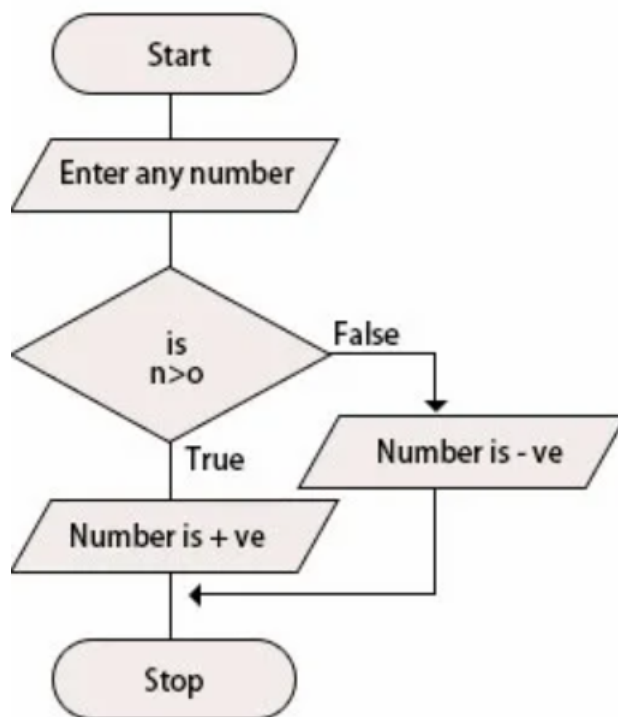Expected Output:
Enter the number:15
15 is divisible by both 3 and 5.
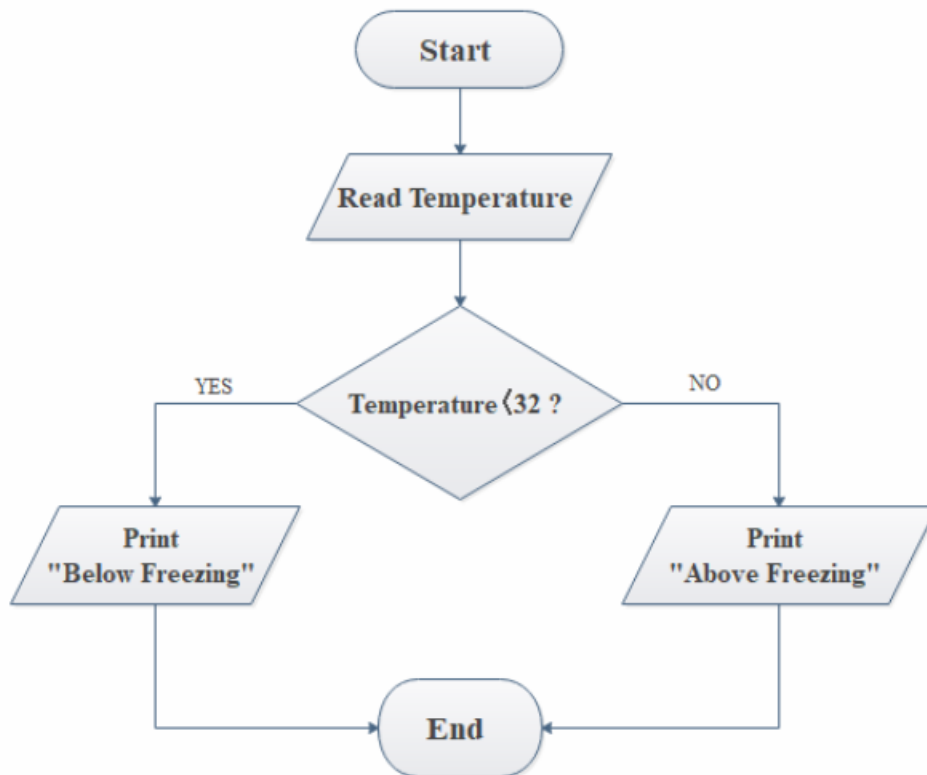Enter the number:15
15 is not divisible by both 3 and 5.

7. Write a Python Program for implementing the following flow charts.
i.

ii.

8. Write a Python Program to perform addition, subtraction, multiplication and division of two   numbers.

Expected Output:

Input any two numbers: 10 5

Enter the choice: 1

10+5= 15

Enter the choice: 2

10-5=5

The difference of the given numbers: 5

Enter the choice: 3

10*5=50

Enter the choice: 4

10/5=2

9. Write a program Python Program that accepts age, sex ('M','F'), no of days and display the wages accordingly. If the age does not fall into any of these range ,display appropriate error message

Age	Sex	Wage/day
>=18 and <30	M	700
	F	750
>=30 and <=40	M	800
	F	850