**QUESTION 10**

* **CODE :-**

def binaryconversion(number):

binary = bin(number)

print(number,'in binary system =', binary[2:])

def octalconversion(number):

octal = oct(number)

print(number,'in octal system =', octal[2:])

def hexadecimalconversion(number):

hexadecimal = hex(number)

print(number,'in hexadecimal system =', hexadecimal[2:])

num = int(input('Enter a number: '))

op = input('Enter the desired type conversion (B/O/H): ')

if op == 'b' or op == 'B':

binaryconversion(num)

elif op == 'o' or op == 'O':

octalconversion(num)

elif op == 'h' or op == 'H':

hexadecimalconversion(num)

else:

print('Invalid type conversion.')

exit

* **OUTPUT :-**

Enter a number: 12

Enter the desired type conversion (B/O/H): B

12 in binary system = 1100

Enter a number: 25

Enter the desired type conversion (B/O/H): O

25 in octal system = 31