```
Enter the command number:
        0)  Exit
        1)  Addition in signed-magnitude
        2)  Subtraction in signed-magnitude
        2
Enter the first binary number:
x0= 1

x1= 0

x2= 0

x3= 0

x4= 0

x5= 1

x6= 0

x7= 0
Enter the second binary number:
x0= 1

x1=
0

x2= 0

x3= 0

x4= 0

x5= 1

x6= 0

x7= 0
Please enter the output base:
1)Binary
2)Octal
3)Decimal
4)Hexadecimal
1
10000100 OR 10000100
Overflow Error
 is 11111000
Enter the command number:
        0)  Exit
        1)  Addition in signed-magnitude
        2)  Subtraction in signed-magnitude
```

```
Enter the command number:
        0)  Exit
        1)  Addition in signed-magnitude
        2)  Subtraction in signed-magnitude
        2
Enter the first binary number:
x0= 0

x1= 0

x2= 0

x3= 0

x4= 1

x5= 0

x6= 0

x7= 0
Enter the second binary number:
x0= 0

x1= 0

x2= 0

x3= 0

x4= 0

x5= 1

x6= 1

x7= 0
Please enter the output base:
1)Binary
2)Octal
3)Decimal
4)Hexadecimal
1
00001000 OR 00000110 is 11110010
Enter the command number:
        0)  Exit
        1)  Addition in signed-magnitude
        2)  Subtraction in signed-magnitude
```