

```
1  #include <stdio.h>
2
3  void main() {
4
5      int num;
6      printf("Enter number: ");
7      scanf("%d",&num);
8
9      int array[64];
10     int count=0;
11     int r;
12     while (num>0) {
13         r = num % 2;
14         num = num / 2;
15         array[count] = r;
16         count++;
17     }
18
19     for(int i = count-1; i >= 0; i--){
20         printf("%d", array[i]);
21     }
22 }
```

Enter number: 10
1010

...Program finished with exit code 0
Press ENTER to exit console.

Date _____

Q4) ~~Task~~ Task 04:

1. Initialize an array of 64 bits

2. Declare 3 variables count = 0,
x, num

3. Take user input in num

4. While num > 0 :

$x = \text{num} \% 2$

$\text{num} = \text{num} / 2$

$\text{array}[\text{count}] = x$

$\text{count}++$

5. Run a reverse loop over array
from count to start.

For $i = \text{count} - 1$ to $i = 0$

Print array[i]