Convert the following binary numbers to decimal:

```
00010010
1x16 + 1x2 = 18

00001011

01000100
```

Convert the following decimal numbers to binary:

```
25    16+8+1 = 00011001
67
14
```

Let us consider the following code:

```cpp
int a;
cout << "Give me a number: ";
cin >> a;
switch(a) {
  case 0:
  case 1:
    cout << "Apple\n";
    break;
  case 2:
  case 3:
    cout << "Orange\n";
  case 4:
    cout << "Pear\n";
    break;
  default :
    cout << "Banana\n";
}
```

What is the output if the user inputs:
```
7     Banana
1
2
```

What is the output of the following code?

```cpp
int a=3;
while(a!=9)
{
   cout << "My number is " << a << endl;
   a+=3;
}
```

What is the output of the following code?

```cpp
int a=3, b=0;
while(a<6)
{
   b = b+a;
   a++;
}
cout << b;
```

What is the output of the following code?

```cpp
int a=3;
while(a>0||a<5)
{
   cout << "Loop!";
   a--;
}
```

Loop!Loop!Loop!Loop!...
Will continue typing "Loop!" infinitely