

Convert the following binary numbers to decimal:

00010010
 $1 \times 16 + 1 \times 2 = 18$

00001011

01000100

Convert the following decimal numbers to binary:

25 $16+8+1 = 00011001$

67

14

Let us consider the following code:

```
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