

Convert the following binary numbers to decimal:

00010010

00001011

$1 \times 8 + 1 \times 2 + 1 \times 1 = 11$

01000100

Convert the following decimal numbers to binary:

25

67  $64+2+1 = 01000011$

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

1 **Apple**

2