

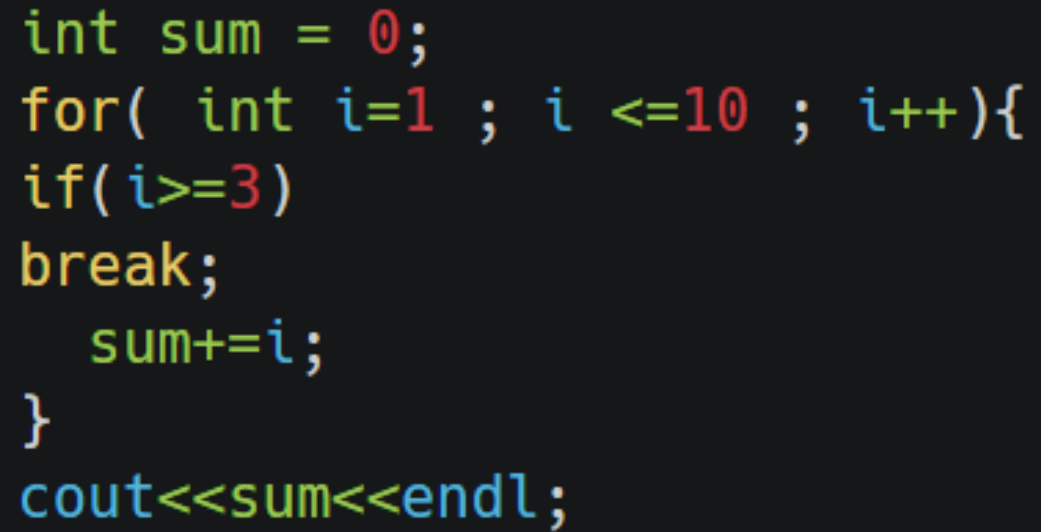
Homework 2



```
int num = 14 ;  
switch (num % 7) {  
    case 0:  
        num --;  
        break;  
  
    case 1:  
        num *= 2;  
        break;  
    case 2:  
        num *= 2;  
        break;  
    case 4 :  
        num -= 5;  
    case 5:  
        num++;  
        break;  
    default :  
        num/=3;  
}  
cout<<num<<endl;
```

What is the output of this code?

What is the
output of
this code?



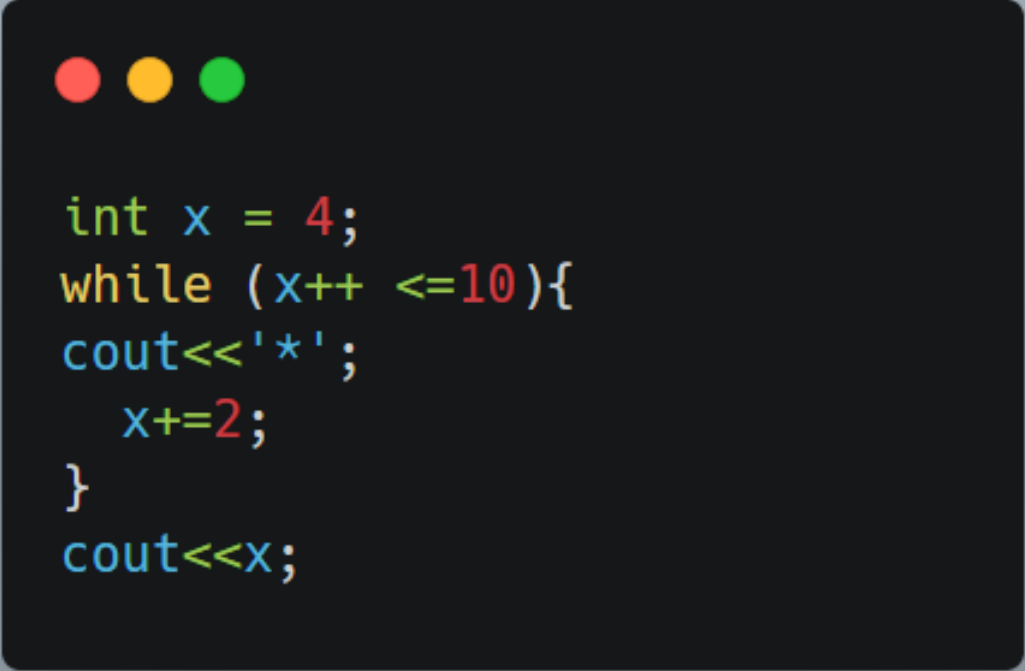
```
int sum = 0;  
for( int i=1 ; i <=10 ; i++){  
    if(i>=3)  
        break;  
    sum+=i;  
}  
cout<<sum<<endl;
```

What is the
output of
this code?




```
int x = 2;  
if(++x<5 || ++x>0){  
cout<<x<<endl;  
}
```

What is the
output of
this code?



```
int x = 4;  
while (x++ <= 10){  
    cout<<'*';  
    x+=2;  
}  
cout<<x;
```

What is the
output of
this code?



```
int count = 7;  
while (count >= 4){  
    count --;  
}  
cout<< count;
```

1. Write a C++ program to calculate the age of the user.

Note : ask the user to enter the current date and his/her birthdate.

2. Write C++ code to check if the input number is prime number or not.

Note : prime number is the number that divide on it self and 1 only.

3. Write a C++ program to print the sum of all odd numbers and even numbers between 2 input numbers.

Input :

2 10

Output will be

The sum of odd = $3 + 5 + 7 + 9$

The sum of even = $2 + 4 + 6 + 8 + 10$