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Lab #2

A.

```
#include <iostream>
using namespace std;
int main()
{   if(36)
        cout << "36 is true!" << endl; ((TRUE))
    else
        cout << "36 is false!" << endl;

    if(0)
        cout << "0 is true!" << endl;
    else
        cout << "0 is false!" << endl; ((FALSE))

    if(!5<=4+1)
        cout << "!5<=4+1 is true" <<endl; ((TRUE))
    else
        cout << "!5<=4+1 is false" <<endl;

    if((-1)<0<1)
        cout << "-1<0<1 is true" <<endl;
    else
        cout << "-1<0<1 is false" <<endl; ((FALSE))

    int x = 0;
    if(x=5)
        cout << "x=5 is true" <<endl; ((TRUE))
    else
        cout << "x=5 is false" <<endl;

    bool condition;
    condition = (6<7);
    if(!(condition))
        cout << "!(6<7) is true!" << endl;
    else
        cout << "!(6<7) is false!" << endl; ((FALSE))

    if(true || false)
        cout << "true || false is true" <<endl; ((TRUE))
    else
```

```

        cout << "true || false is false" <<endl;

    if(true || true)
        cout << "true || true is true" <<endl; ((TRUE))
    else
        cout << "true || true is false" <<endl;

    return 0;
}

```

C.

```

#include <iostream>
using namespace std;

int main (){

    char grade;
    cout<<"Enter a grade: "<<endl;
    cin>>grade;
    switch (grade){

    case 'A':
        cout<<"Amazing job!"<<endl;
        break;
    case 'B':
        cout<<"Great work!"<<endl;
        break;
    case 'C':
        cout<<"You pass, good job."<<endl;
        break;
    case 'D':
        cout<<"You pass, but barely"<<endl;
        break;
    case 'F':
        cout<<"You need to improve!!"<<endl;
        break;
    default:
        cout<<"That is not a valid grade"<<endl;
        break;
    return 0;
}
}

```


