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# *if* condition

- Use `if` to specify a block of code to be executed, if a specified condition is true.
- Use `else` to specify a block of code to be executed, if the same condition is false.
- Use `else if` to specify a new condition to test, if the first condition is false.

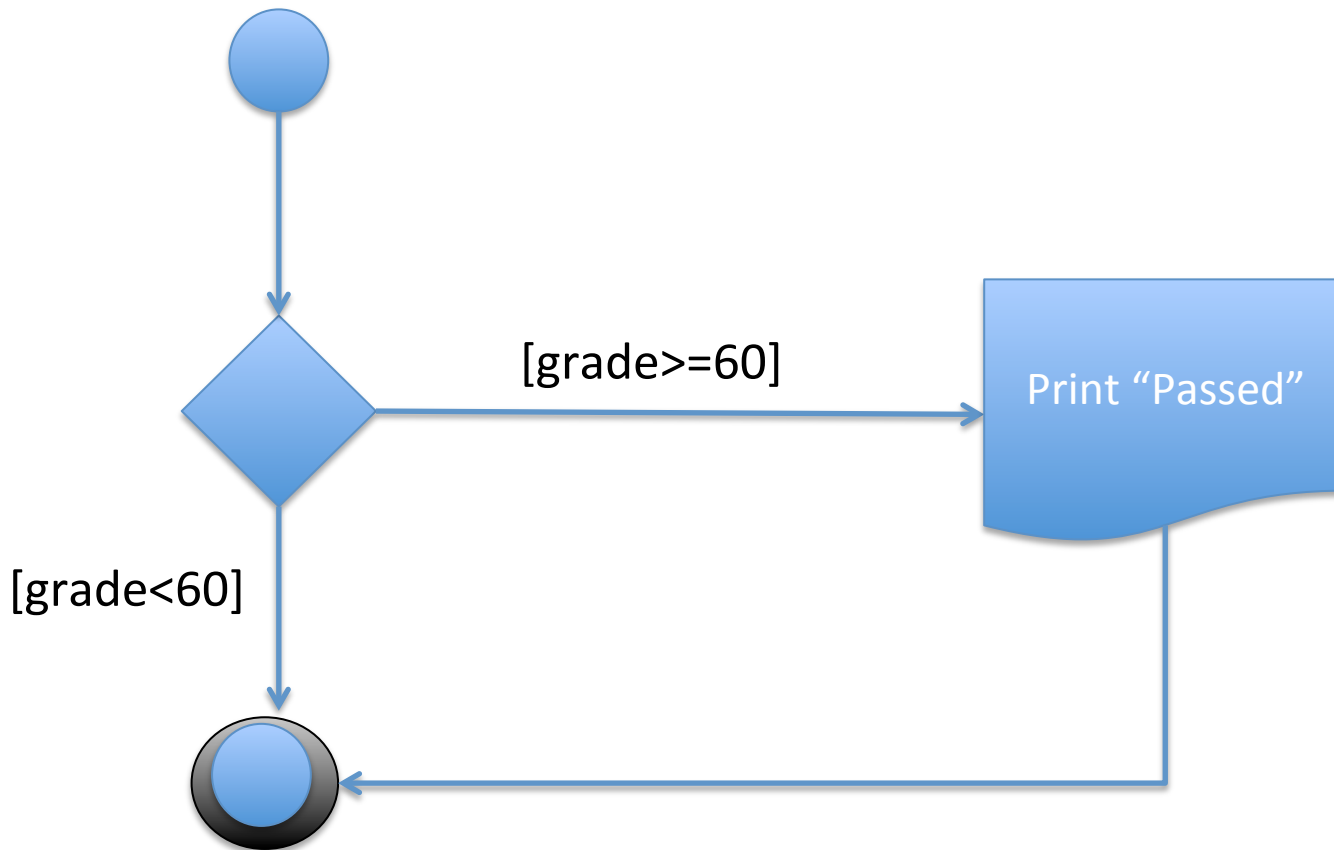
## Ex-1: *if*

```
#include <iostream>
using namespace std;

int main() {
    if (40 > 15) {
        cout << "40 is greater than 15";
    }
    return 0;
}
```

40 is greater than 15

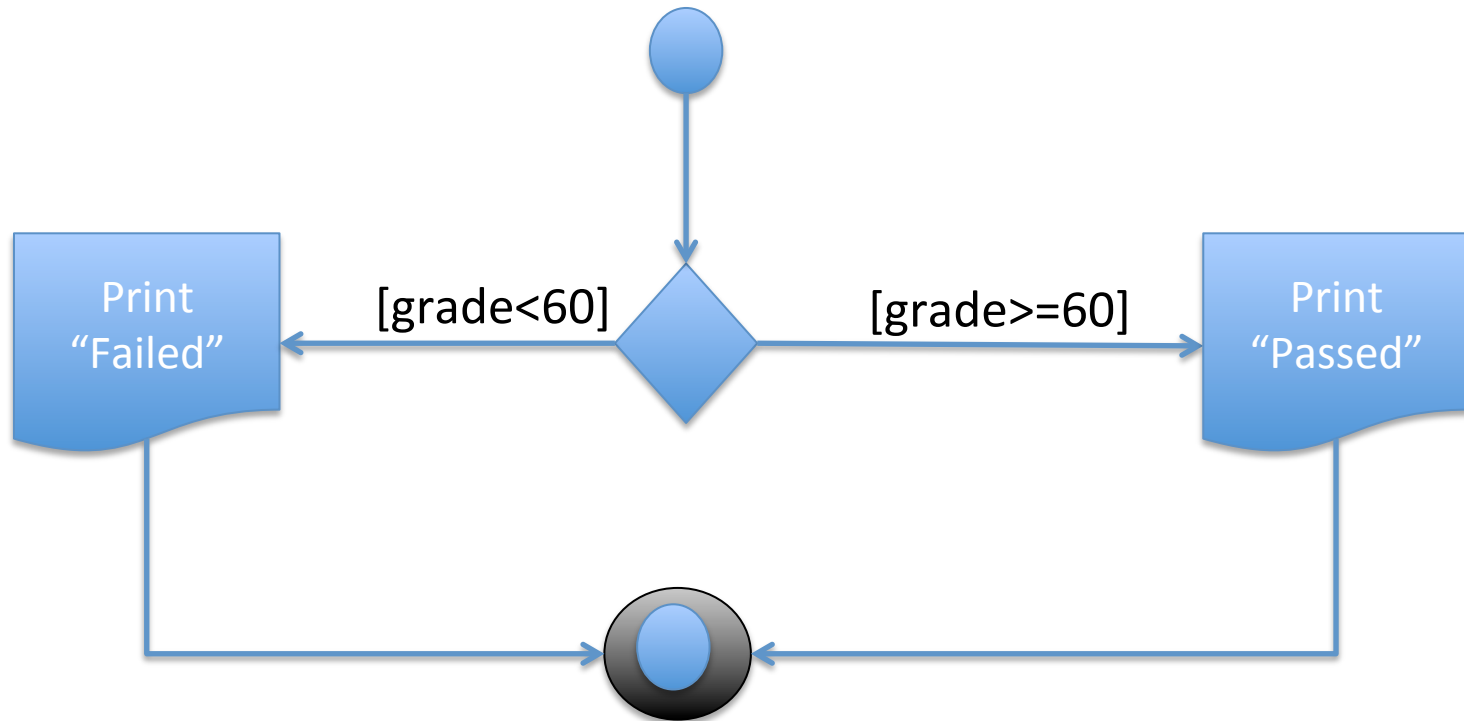
# *if* flow chart for one



# *If...else*

```
| if (grade >= 60)  
|     cout << "Passed";  
| else  
|     cout << "Failed";
```

# *If-else* flow chart



## Ex-2: *if...else*

```
#include <iostream>
using namespace std;

int main() {
    int time = 15;
    if (time < 17) {
        cout << "good afternoon.";
    } else {
        cout << "good evening.";
    }
    return 0;
}
```

good afternoon.

```
#include <iostream>
using namespace std;

int main() {
    int time = 20;
    if (time < 17) {
        cout << "good afternoon.";
    } else {
        cout << "good evening.";
    }
    return 0;
}
```

good evening.

## Ex-3: *else if*

```
#include <iostream>
using namespace std;

int main() {
    int time = 16;
    if (time < 12) {
        cout << "Good morning.";
    } else if (time < 20) {
        cout << "bye.";
    } else {
        cout << "good night.";
    }
    return 0;
}
```

bye.



## Ex-4: *switch case*

```
#include <iostream>
using namespace std;

int main() {
    int day = 6;
    switch (day) {
    case 1:
        cout << "Monday";
        break;
    case 2:
        cout << "Tuesday";
        break;
    case 3:
        cout << "Wednesday";
        break;
```



```
case 4:
    cout << "Thursday";
    break;
case 5:
    cout << "Friday";
    break;
case 6:
    cout << "Saturday";
    break;
case 7:
    cout << "Sunday";
    break;
}
return 0;
}
```

Saturday

# Ör-5: *switch case, break, default*

```
#include <iostream>
using namespace std;

int main() {
    int day = 3;
    switch (day) {
        case 6:
            cout << "Today is Saturday";
            break;
        case 7:
            cout << "Today is Sunday";
            break;
        default:
            cout << "Hey weekend.";
    }
    return 0;
}
```

Hey weekend.

# Ex-6: *switch case, break, default*

```
#include <iostream>
using namespace std;

int main() {
    int code;
    cout << "traffic code:";
    cin >> code;
    cout << "city name:";
    switch (code)
    {
    case 6:
        cout << "Ankara";
        break;
    case 16:
        cout << "Bursa";
        break;
```



```
case 26:
    cout << "Eskisehir";
    break;
case 34:
    cout << "Istanbul";
    break;
default:
    cout << "other";
}
return 0;
}
```

traffic code:16  
city name:Bursa