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# CS480

## Control Flow!

April 20, 2009

# IF!

```
main()
{
  int x = 9;
  int y;

  input(&y);
  if( x > y )
  {
    output( x, y );
  }
  else
  {
    output(y, x);
  }
}
```

# FOR!

```
main()
{
    int i = 0;
    int max = 100;

    for ( i = 0 ; i < max ; i++)
    {
        output(i );
    }
}
```

```
main()
{
    int i = 0;
    int max = 100;

    for ( i = 0 ; i < max ; i++)
    {
        if( i % 3 == 1 || i % 4 == 0)
        {
            output( i * i );
        }
        else
        {
            output( i + i );
        }
    }
}
```