

Lab: Conditional Programming

305171 Computer Programming

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Positive Number

```
void checkPositive(int number)
{
    if(number>0)
    {
        printf("%d is positive",number);
    }else{
        printf("%d is NOT positive",number);
    }
}
```

Positive Number

```
_Bool checkPositive2(int num)
{
    if((num>0)&&(num%2==0))
    {
        return 1;
    }else{
        return 0;
    }
}
```

Integer Number

```
char checkNumber(int num)
{
    if(num>0)
    {
        return '+';
    }else if(num<0)
    {
        return '-';
    }else{
        return '0';
    }
}
```

305171 Class

```
_Bool classTime(int hour, int min)
{
    if(((hour>=9)&&(hour<12))&&((min>=0)&&(min<=59))
)
    {
        return 1;
    }else{
        return 0;
    }
}
```

305171 Class

```
_Bool classTime2(int hour, int min)
{
    if((hour>=9)&&(hour<12))
    {
        if((min>=0)&&(min<=59))
        {
            return 1;
        }else{
            return 0;
        }
    }else{
        return 0;
    }
}
```

```
int main()
{
    int h,m;
    printf("Enter current time: hour,minutes\n");
    scanf("%d",&h);
    scanf("%d",&m);
    printf("Is in class?");
    printf("Answer: %d",classTime(h,m));

    int number;
    scanf("%d",&number);
    checkPositive(number);
    printf("Is number positive and divided by 2?\n");
    printf("Answer: %d",checkPositive2(number));
    _Bool answer;
    answer = checkPositive2(number);
    printf("Answer: %d",answer);
    printf(" %d is %c number",number,checkNumber(number));

    return 0;
}
```