

Lab: Loop

305171 Computer Programming
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Summation

```
int summation(int n)
{
    int i,sum=0;
    for(i=1;i<=n;i=i+1)
    {
        sum=sum+i;
    }
    return sum;
}
```

Summation

```
int summation2(int n)
{
    int i=1,sum=0;
    while(i<=n)
    {
        sum=sum+i;
        i++;
    }
    return sum;
}
```

Stars

```
void printStars(int n)
{
    int i=1;
    while(i<=n)
    {
        int j;
        for(j=1;j<=i;j++)
        {
            printf("*");
        }
        printf("\n");
        i++;
    }
}
```

Stars

```
void printStars2(int n)
{
    int i=1;
    while(i<=n)
    {
        int j;
        for(j=n;j>=i;j--)
        {
            printf("*");
        }
        printf("\n");
        i++;
    }
}
```

```
int main()
{
    int number;
    scanf("%d",&number);

    printf("sum= %d",summation(number));
    printStars(number);
    printStars2(number);

    return 0;
}
```