```
//to find the armstrong number
#include<iostream>
#include<math.h>
using namespace std;
int main()
    int n,r,num;
    float sum=0;
    cout<<"input the number: ";</pre>
    cin>>n;
    num=n;
    while(num!=0)
        r=num%10;
        sum=sum+pow(r,3);
        num=num/10;
    if(sum==n)
        cout<<n<<" is an armstrong number";</pre>
        cout<<n<<" is not an armstrong number";</pre>
    return 0;
```

```
PS D:\C++> cd "d:\C++\"; if ($?) { g++ armstrong.cpp -0 armstrong }; if ($?) { .\armstrong } input the number: 153
153 is an armstrong number
PS D:\C++> cd "d:\C++\"; if ($?) { g++ armstrong.cpp -0 armstrong }; if ($?) { .\armstrong } input the number: 200
200 is not an armstrong number
PS D:\C++>
```

```
//to print floyd's triangle
#include<iostream>
using namespace std;
int main()
{
    int i,j=1,raw=0,t;
    for(i=1; i<=4; i++)
    {
        t=0;
        cout<<"\n";
        raw++;
        do
        {
            cout<<j<<" ";
            t++;
            j++;
        }while(t<raw);
    }
    return 0;
}</pre>
```

```
PS D:\C++> cd "d:\C++\" ; if ($?) { g++ floydstriangle.cpp -0 floydstriangle } ; if ($?) { .\floydstriangle }

1
2 3
4 5 6
7 8 9 10
PS D:\C++> [
```

```
// to print half pyramid
#include<iostream>
using namespace std;
int main()
{
    int i,j,raw=0;
    for(i=1; i<=5; i++)
    {
        cout<<"\n";
        raw++;
        for(j=1; j<=raw; j++)
        {
        cout<<;j<<" ";
        }
    }
    return 0;
}</pre>
```

```
PS D:\C++> cd "d:\C++\" ; if ($?) { g++ halfpyramid.cpp -0 halfpyramid } ; if ($?) { .\halfpyramid }

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
PS D:\C++>
```

```
#include<iostream>
using namespace std;
int main()
{
   int i;
   for(i=10; i>=1; i--)
   {
      if(i==6){
        break;
      }
      cout<<i<<" ";
   }
   return 0;
}</pre>
```

```
PS D:\C++> cd "d:\C++\" ; if ($?) { g++ breakat6.cpp -0 breakat6 } ; if ($?) { .\breakat6 } 10 9 8 7
PS D:\C++> [
```