

```

159
if(i%2==0){
    cout<<"even";
}
else{
    cout<<"odd";
}

```

```

    5
2) 11 10
   10 10
   --
    1 0

```

i) Number up to  $n \Rightarrow$  print:

```

for(i=1; i<=n; i++){
    cout<<i;
}

```

ii) 1 to  $n$ , but only odd nos.  $\Rightarrow$  print:

```

for(i=1; i<=n; i++){
    if(i%2!=0){
        cout<<i;
    }
}

```

iii) 1 to  $n$ , odd nos... sum.  $n=10$

```

int sum=0;
for(i=1; i<=n; i++){
    if(i%2!=0){
        sum=sum+i;
    }
}

```

```

cout<<sum;

```

```

int sum=0;
for(i=1; i%2!=0; i++){
    sum=sum+i;
    continue;
}
cout<<sum;

```

q. sum of odd numbers from 1 to  $N$ :

```

int n=50;

```

```

1
3
5
7
9
11... 49

```

sum  $\Rightarrow$  b/p.

o Pattern 3:

$n=5$

```

* * * * *
* * * *
* * *
* *
*

```

$n=4$

```

* * * *
* * *
* *
*

```

$n=4$

```

for(j=n; j>=1; j--){
    for(i=1; i<=j; i++){
        cout<<"*";
    }
}

```

```

    cout<<endl;
}

```

```

}

```