

```

for ( (init) ; (cond) ; (between) )
{
    // body
}

```

↑
body executes here

most common: do something n times

```

for (int i=0; i < n; i++)
for (int i=0, sum=1; i < n; i++)

```

addOdds with for loop

```

public static int addOdds
(int n)
{
    for (int i=0, sum=0;
        i <= n; i++)
    {
        sum += i * (i/2);
    }
    return sum;
}

```

add Odds with for loop

```
public static int addOdds
(int n)
{
  for (int i=n, sum=0; i>=1;
      i--)
    sum+=i*(i%2);
  return sum;
}
```

add Odds with for loop

```
public static int addOdds
(int n)
{
  int sum=0, int i=1;
  for (i<=n; i+=2)
    sum+=i;
  return sum;
}
```

addOdds with for loop

```
public static int addOdds  
(int n)  
{  
    for(int num=1, addOdds=  
        0; num<=n;  
        num+=2)  
        addOdds+=num;  
    return addOdds;  
}
```