

Write a loop that will add up the first 10 perfect squares ( $1^2 + 2^2 + 3^2 + 4^2 + \dots + 10^2$ ).

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```
int sum = 0;
for(int i=1; i<=10; i++)
    sum += i*i;
```

```
int sum = 0;
int i = 1;
while(i <= 10)
{
    int square = i*i;
    sum += square;
    i++;
}
```