Compile Result

```
enter the array size6
enter the array elements1
2
3
4
5
9
sum of square elements 13
[Process completed - press Enter]
```

Algorithm

Step 1: Start

Step 2: Declare int $a[10], i, n, c, j$, sum $= 0$;

Step 3: Read array size using for loop.

Step 4: Read array elements using for loop

Step 5: Check Condition for perfect square

```
for(i=0; i<n; i++)
    c=0;
    for(j=0; j<a[i]; j++)
    {
        if((j*j)== a[i])
        {
            c++;
            break;
        }
    }
5.1
    if(c>0)
        sum += a[i];
```

Step 6:   Print the result

Step 7:   stop.

```
Start
```

Declare int a[10], i, n, c, j, sum = 0;

Read n value

Read a[i] value using
for loop

for(i=0; i<n; i++)   →J

    T

c = 0;

for(j=0; j<a[i]; j++)   →J

    T

if((j*j) == a[i]);   →J

    T

c++

if(c>0)   →J

    T

sum += a[i]

Display Output

```
Stop
```