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This program is to compute square and square root of n natural numbers using functions.

Value of count will be provided by the user;

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```
#include <stdio.h>  
#include <math.h>
```

```
void outputSR(int square, double root);  
/*It is a function to provide output, you will be using  
this function to print square and square-root*/
```

```
int Flag = 1;  
int outputsq(int n){  
    int x = (n*n);  
    return x;  
}  
double outputroot(int q){  
    double r=sqrt(q);  
    return r;  
}
```

```
/* declare and define functions to compute square of a number*/  
/* declare and define functions to compute root of a number*/
```

```
int main()  
{
```

```
/*
```

```
$$TO-DO$$
```

```
Steps:
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1. Declare an integer variable 'x' to take integer input from user
2. Declare a variable named count to count the number of inputs.
3. Declare a variable to store the square of a number returned from a function
4. Declare a variable to store the square-root of a number returned from a function
5. Using loop for 1 to count
  - (a) Input variable 'x' from user.
  - (b) find square of a number using function
  - (c) find square-root of a number using function
  - (d) call outputSR to display data;

```
/*
int count, square;
scanf("%d",&count);
int x[count];
double root;
for (int i = 0; i < count; i++)
{
    scanf("%d",&x[i]);
}
for (int i = 0; i < count; i++)
{
    square=outputsq(x[i]);
    root=outputroot(x[i]);
    outputSR(square,root);
}
printf("\n");

return 0;
}

void outputSR(int square, double root)
{
if (Flag == 1)
{
Flag = 0;
printf("\nActualOutput:");
}
printf(" %d %.2f", square, root);
}
```