

```
1  #include <stdio.h>
2  void main(){
3      int a[5]={3,5,7,1,9};
4      int largest, smallest;
5      int i;
6      largest = a[0];
7      smallest = a[0];
8      for (i=1;i<5;i++)
9      {
10         if (a[i] > largest)
11         {
12             largest = a[i];
13         }
14         if(a[i] < smallest)
15         {
16             smallest = a[i];
17         }
18     }
19     printf("Largest number = %d\n",largest);
20     printf("Smallest number = %d\n",smallest);
21 }
```

Run

Output

```
Largest number = 9
Smallest number = 1
```

=== Code Exited With Errors ===

```
1  #include <stdio.h>
2  int fact(int n)
3  {
4      if (n == 0)
5          return 1;
6      else
7          return n * fact(n - 1);
8  }
9  void main()
10 {
11     int num = 5;
12     int result;
13     result = fact(num);
14     printf("Factorial = %d", result);
15 }
16
```

Run

Output

Factorial = 120

=== Code Exited With Errors ===

ERED

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Run

Output

```

1  #include <stdio.h>
2  int fib(int n) {
3      if (n == 0)
4          return 0;
5      if (n == 1)
6          return 1;
7      return fib(n - 1) + fib(n - 2);
8  }
9  int main() {
10     printf("Fibonacci = %d", fib(6));
11     return 0;
12 }
13

```

Fibonacci = 8

=== Code Execution Successful ===

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