

REC-CIS

Followed up on given number 3 = 6

Answer: (penalty regime: 0 %)

Reset answer

```
1 #include <stdio.h>
2
3 int factorial(int);
4
5 int main()
6 {
7     int number;
8     scanf("%d", &number);
9     printf("Factorial of a given number %d = %d\n", number, factorial(number));
10    return 0;
11 }
12
13 int factorial(int number)
14 {
15     int i, fact = 1;
16     for (i=1;i<=number;i++)
17     {
18         fact *=i; // Write code to calculate the factorial of a given number
19     }
20     return fact;
21     // Write the return statement
22 }
```

Input	Expected	Got
3	Factorial of a given number 3 = 6	Factorial of a given number 3 = 6

Passed all tests! ✓

REC-CIS

Reset answer

```
1 #include <stdio.h>
2
3 int prime();
4
5 int main()
6 {
7     if (prime() == 0)
8     {
9         printf("The given number is a prime number\n");
10    }
11    else
12    {
13        printf("The given number is not a prime number\n");
14    }
15    return 0;
16 }
17
18 // Write the function prime()
19 int prime(){
20     int num,i,flag=0;
21     scanf("%d",&num);
22     if(num<=1){
23         return 1;
24     }
25     for(i=2;i<=num/2;i++){
26         if(num%i==0){
27             flag =1;
28             break;
29         }
30     }
31     return flag;
32 }
```

Input	Expected	Got
The given number is a prime number	The given number is a prime number	The given number is a prime number

Different categories of Functions: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=143388&cmid=90

REC-CIS

Reset answer

```
1 #include <stdio.h>
2
3 int largest(int, int, int);
4
5 int main()
6 {
7     int a, b, c;
8     scanf("%d%d%d", &a, &b, &c);
9     printf("Largest of the given three numbers = %d\n", largest(a,b,c)); // Correct the code
10    return 0;
11 }
12
13 int largest(int a,int b,int c)
14 {
15     // Correct the code
16     if (a>b && a>c)
17     {
18         // Correct the code
19         return a ; // Correct the code
20     }
21     else if (b>a && b>c)
22     {
23         // Correct the code
24         return b ; // Correct the code
25     }
26     else
27     {
28         return c ; // Correct the code
29     }
30 }
```

	Input	Expected	Got	
✓	99 49 29	Largest of the given three numbers = 99	Largest of the given three numbers = 99	✓

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REC-CIS

45 78 Sum of two given values = 123

Answer: (penalty regime: 0 %)

Reset answer

```
1 #include <stdio.h>
2
3 int sum(void);
4
5 int main()
6 {
7     printf("Sum of two given values = %d\n", sum());
8     return 0;
9 }
10
11 int sum()
12 {
13     int num1 , num2,total;
14     scanf("%d %d",&num1,&num2);
15     total = num1 + num2;
16     return total;
17     // Fill in the missing code
18     // Read two integers
19     // Find sum
20     // Retun sum
21 }
```

	Input	Expected	Got	
✓	9 5	Sum of two given values = 14	Sum of two given values = 14	✓
✓	45 78	Sum of two given values = 123	Sum of two given values = 123	✓

Passed all tests! ✓

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Answer: (penalty regime: 0 %)

Reset answer

```
1 #include <stdio.h>
2
3 void area_circle(float);
4
5 int main()
6 {
7     float radius;
8     scanf("%f", &radius);
9     area_circle(radius);
10    return 0;
11 }
12
13 void area_circle(float radius)
14 {
15     //Correct the code
16     // Write the code to calculate the area of circle
17     float area =3.14 * radius *radius;
18     printf("Area of circle = %f\n", area);
19 }
```

	Input	Expected	Got	
✓	11.23	Area of circle = 395.994476	Area of circle = 395.994476	✓

Passed all tests! ✓

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REC-CIS

Answer: (penalty regime: 0 %)

Reset answer

```
1 #include <stdio.h>
2
3 void largest(int x, int y);
4
5 int main()
6 {
7     int a, b;
8     scanf("%d%d", &a, &b);
9     largest(a,b); // Correct the code
10    return 0;
11 }
12
13 void largest(int x,int y)
14 {
15     // Correct the code
16     if (x>y)
17     {
18         // Correct the code
19         printf("Largest element = %d\n", x);
20     }
21     else
22     {
23         printf("Largest element = %d\n", y);
24     }
25 }
```

	Input	Expected	Got	
✓	27 18	Largest element = 27	Largest element = 27	✓
✓	13 17	Largest element = 17	Largest element = 17	✓

Passed all tests! ✓

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REC-CIS

Reset answer

```
1 #include <stdio.h>
2
3 void india_capital();
4
5 int main()
6 {
7     india_capital();
8     return 0;
9 }
10
11 void india_capital()
12 {
13     printf("New Delhi is the capital of India\n");
14 }
```

	Expected	Got	
✓	New Delhi is the capital of India	New Delhi is the capital of India	✓

Passed all tests! ✓

Question 2  
Correct  
Marked out of 1.00

Write a C program to demonstrate functions without arguments and without return value.  
Write the functions `print0` and `hello0`.

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REC-CIS

Answer: (penalty regime: 0 %)

Reset answer

```
1 #include <stdio.h>
2
3 // Write the functions
4 void print(){
5     printf(".....\n");
6 }
7
8 void hello(){
9     printf("Hello! REC\n");
10 }
11 int main()
12 {
13     print();
14     hello();
15     print();
16     return 0;
17 }
```

	Expected	Got	
✓	..... Hello! REC .....	..... Hello! REC .....	✓

Passed all tests! ✓

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Local and Global Variables: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=114000&cmid=89

REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int x=15;
3 void change1(int x)
4 {
5     printf("In change1() function x = %d\n",x);
6 }
7 void change2()
8 {
9     printf("In change2() function x = %d\n",x);
10 }
11 int main()
12 {
13     int x = 10;
14     printf("In main() function x = %d\n",x);
15     change1(x);
16     change2();
17     printf("In main() function x = %d\n",x);
18     return 0;
19 }
```

	Expected	Got	
✓	In main() function x = 10	In main() function x = 10	✓
	In change1() function x = 10	In change1() function x = 10	
	In change2() function x = 15	In change2() function x = 15	
	In main() function x = 10	In main() function x = 10	

Passed all tests! ✓

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Local and Global Variables: Attempt review | REC-CIS - Google Chrome

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REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int a = 20;
3 void test();
4 int main()
5 {
6     printf("In main() function a = %d\n",a);
7     test();
8     a = a + 15;
9     printf("In main() function a = %d\n",a);
10     return 0;
11 }
12
13 void test()
14 {
15     a = a*20;
16     printf("In test() function a = %d\n",a);
17 }
18 }
```

	Expected	Got	
✓	In main() function a = 20	In main() function a = 20	✓
	In test() function a = 40	In test() function a = 40	
	In main() function a = 55	In main() function a = 55	

Passed all tests! ✓

Question 3  
Correct

Local variables are declared and used **inside a function** (or) in a **block of statements**.

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Local and Global Variables: Attempt review | REC-CIS - Google Chrome

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REC-CIS

Values in test() function a = 5 and b = 55  
Values in main() function a = 9 and b = 99

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 void test();
3 int main()
4 {
5     int a = 9,b = 99;
6     test();
7     printf("Values in main() function a = %d and b = %d\n",a,b);
8     return 0;
9 }
10 void test()
11 {
12     int a = 5,b = 55;
13     printf("Values in test() function a = %d and b = %d\n",a,b);
14 }
```

	Expected	Got	
✓	Values in test() function a = 5 and b = 55	Values in test() function a = 5 and b = 55	✓
	Values in main() function a = 9 and b = 99	Values in main() function a = 9 and b = 99	

Passed all tests! ✓

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Triangle - Smallest Side: Attempt review | REC-CIS - Google Chrome

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REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int x,y,z;
5     scanf("%d\n%d\n%d",&x,&y,&z);
6     if(z<=y&&z<=x)
7         printf("%d",z);
8     else if(y<=x&&y<=x)
9         printf("%d",y);
10    else
11        printf("%d",x);
12    return 0;
13 }
```

	Input	Expected	Got	
✓	40 30 50	30	30	✓
✓	15 15 15	15	15	✓

Passed all tests! ✓

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Finding the Second Largest Element: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=110624&cmid=86

REC-CIS

Output  
-840

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<limits.h>
3 int main()
4 {
5     int n,l=INT_MIN,s1=INT_MIN;
6     while(1)
7     {
8         scanf("%d",&n);
9         if(n==1)
10         {
11             break;
12         }
13         if(n>1)
14         {
15             s1=1;
16             l=n;
17         }
18         else if(n>s1&&n<l)
19         {
20             s1=n;
21         }
22     }
23     printf("%d",s1);
24     return 0;
25 }
```

Input	Expected	Got
840 388 261 227 225 488 1	261	261 ✓

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Admission Eligibility: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=106425&cmid=84

REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int m1,m2,m3,t;
5     scanf("%d%d%d",&m1,&m2,&m3);
6     t=m1+m2+m3;
7     if(t>=180)
8     {
9         printf("The candidate is eligible");
10     }
11     else
12     printf("The candidate is not eligible");
13     return 0;
14 }
```

Input	Expected	Got
70 60 80	The candidate is eligible	The candidate is eligible ✓
50 80 80	The candidate is eligible	The candidate is eligible ✓

Passed all tests! ✓

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Calculator: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=110583&cmid=85

REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int a,b;
5     char op;
6     float res;
7     scanf("%d %d %c",&a,&b,&op);
8     switch(op)
9     {
10         case '+':res=a+b;
11             printf("Result: %d + %d = %f",a,b,res);
12             break;
13         case '-':res=a-b;
14             printf("Result: %d - %d = %f",a,b,res);
15             break;
16         case '*':res=a*b;
17             printf("Result: %d * %d = %f",a,b,res);
18             break;
19         case '/':res=(float)a/b;
20             printf("Result: %d / %d = %f",a,b,res);
21             break;
22         case '%':res=a%b;
23             printf("Result: %d %% %d = %f",a,b,res);
24             break;
25         default:res=0.0;
26             printf("Invalid operation. \n");
27             printf("Result: %d %c %d = %f",a,op,b,res);
28     }
29     return 0;
30 }
```

	Input	Expected	Got	
✓	45 45	Result: 45 + 45 = 90.000000	Result: 45 + 45 = 90.000000	✓

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Admission Eligibility: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=106425&cmid=84

REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int m1,m2,m3,t;
5     scanf("%d%d%d",&m1,&m2,&m3);
6     t=m1+m2+m3;
7     if(t>=180)
8     {
9         printf("The candidate is eligible");
10    }
11    else
12    printf("The candidate is not eligible");
13    return 0;
14 }
```

	Input	Expected	Got	
✓	70 60 80	The candidate is eligible	The candidate is eligible	✓
✓	50 80 80	The candidate is eligible	The candidate is eligible	✓

Passed all tests! ✓

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Calculator: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=110583&cmid=85

REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int a,b;
5     char op;
6     float res;
7     scanf("%d %d %c",&a,&b,&op);
8     switch(op)
9     {
10         case '+':res=a+b;
11             printf("Result: %d + %d = %f",a,b,res);
12             break;
13         case '-':res=a-b;
14             printf("Result: %d - %d = %f",a,b,res);
15             break;
16         case '*':res=a*b;
17             printf("Result: %d * %d = %f",a,b,res);
18             break;
19         case '/':res=(float)a/b;
20             printf("Result: %d / %d = %f",a,b,res);
21             break;
22         case '%':res=a%b;
23             printf("Result: %d %% %d = %f",a,b,res);
24             break;
25         default:res=0.0;
26             printf("Invalid operation. \n");
27             printf("Result: %d %c %d = %f",a,op,b,res);
28     }
29     return 0;
30 }
```

	Input	Expected	Got	
✓	45 45	Result: 45 + 45 = 90.000000	Result: 45 + 45 = 90.000000	✓

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At night

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3:45 PM  
1/15/2025