Code, Compile & Run

Ide

Contest Code/Name (e.g. JULY15/PRACTICE)

With argument with return type.c

Select

C (gcc 6.3)

Code gets autosaved every second

```
1  #include <stdio.h>
2  int add(int i, int j);
3  int main()
4  {
5      int sum,a=10,b=20;
6      sum=add(a,b);
7      printf("sum is %d",sum);
8  }
9  int add(int i,int j)
10 {
11     int sum;
12     sum=i+j;
13     return sum;
14 }
```

17:2

Open File

Custom Input

Run

Status Successfully executed Date 2020-07-01 02:54:11 Time 0 sec Mem 9.424 kB

Output

```
sum is 30
```

C program to implement types of functions based on parameters.

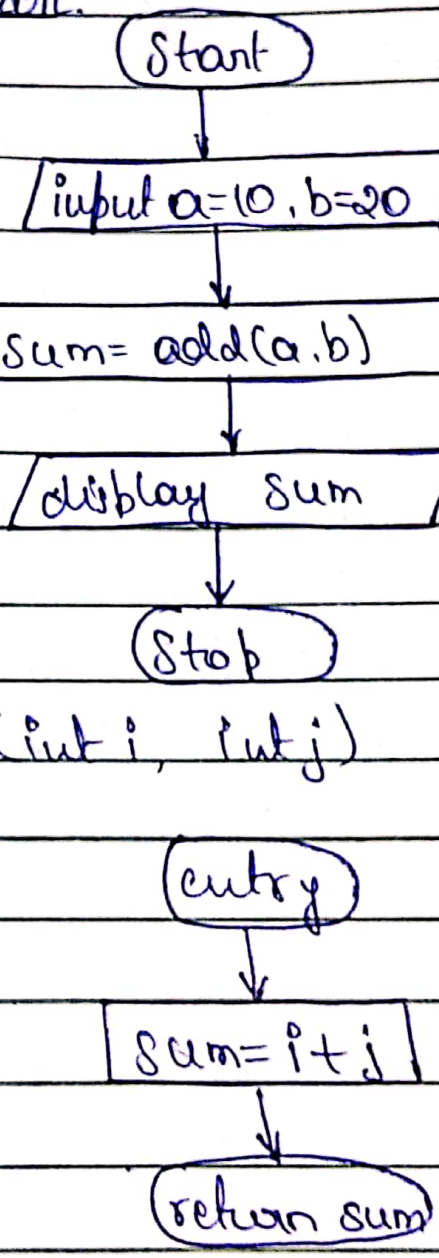
i) Functions with argument & with return type

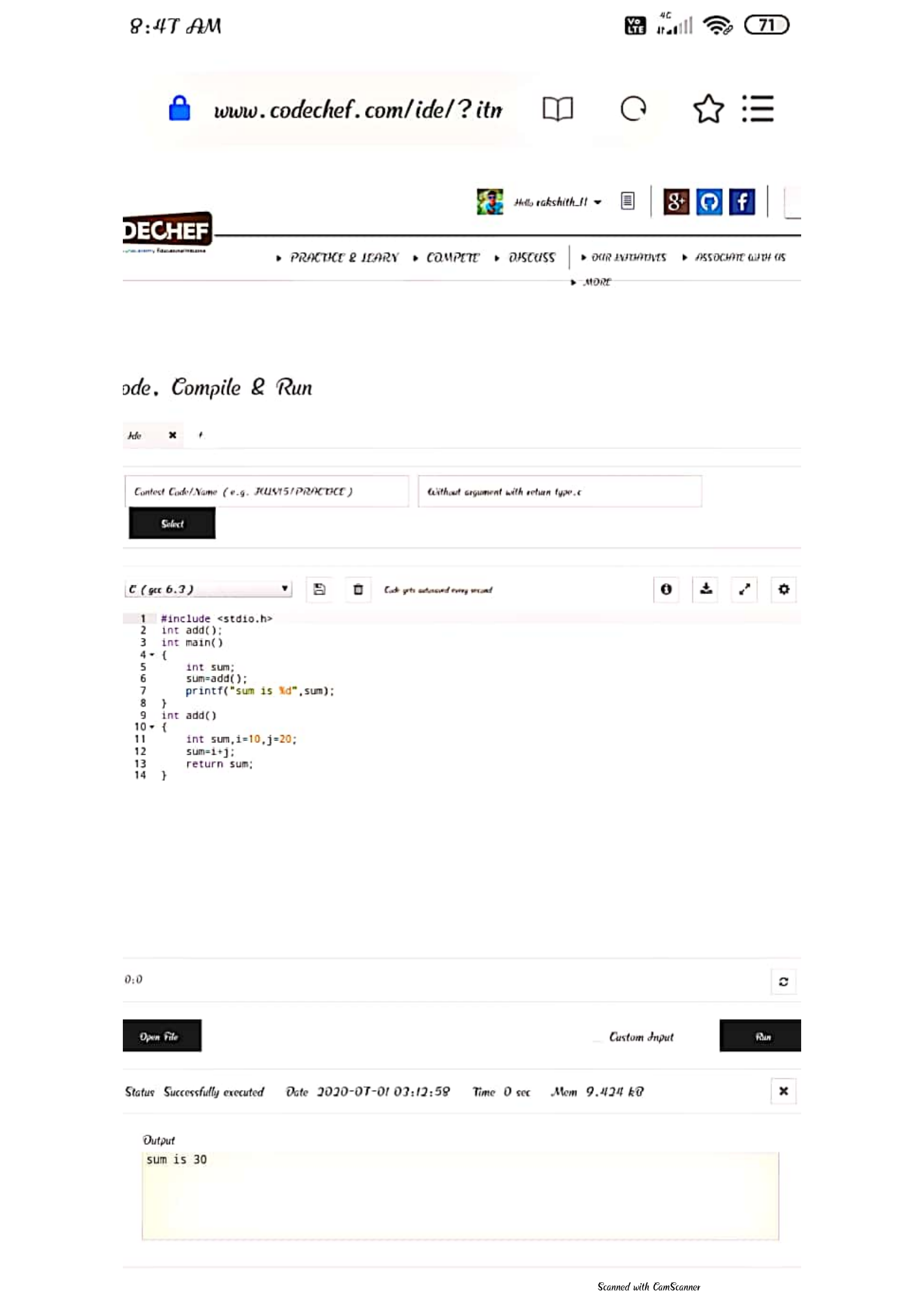
Algorithm:

Step1: Start
Step2: input a=10, b=20
Step3: sum= add(a,b)
Step4: display sum
Step5: Stop

add(int i, int j)
Step1: Entry
Step2: sum= i+j
Step3: return sum

Flowchart:




8:47 AM
www.codechef.com/ide/?itm
Hello rakshith_11
DECHEF
PRACTICE & LEARN
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DISCUSS
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ASSOCIATE WITH US
MORE
ode, Compile & Run
Ide
Contest Code/Name (e.g. JUNIT/PRACTICE)
Without argument with return type.c
Select
C (gcc 6.3)
Code gets autosaved every second
1 #include <stdio.h>
2 int add();
3 int main()
4 {
5 int sum;
6 sum=add();
7 printf("sum is %d",sum);
8 }
9 int add()
10 {
11 int sum,i=10,j=20;
12 sum=i+j;
13 return sum;
14 }
0:0
Open File
Custom Input
Run
Status Successfully executed
Date 2020-07-01 03:12:58
Time 0 sec
Mem 9.424 kB
Output
sum is 30
Scanned with CamScanner

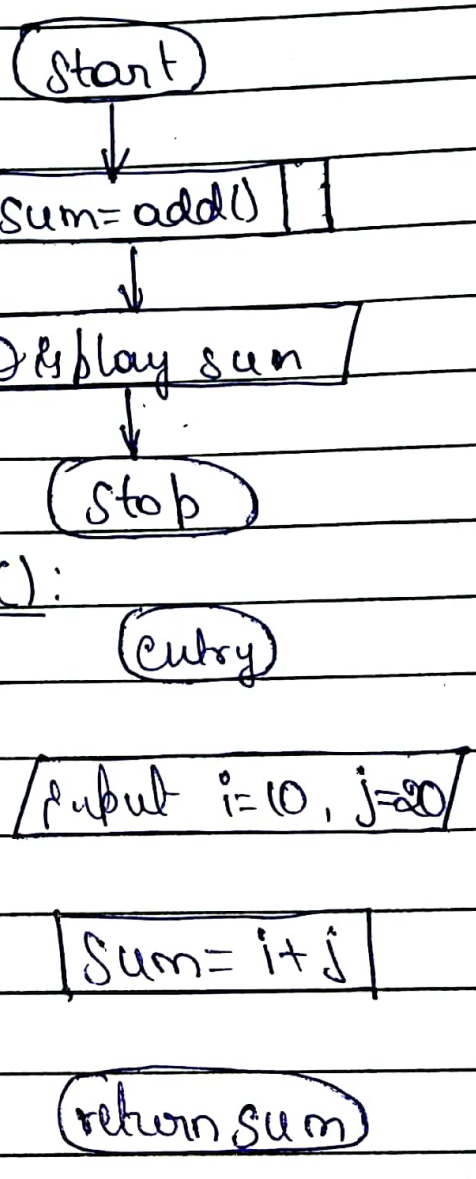
iv) Functions with no argument & with return type

Algorithm:

Step 1: start
Step 2: sum = add()
Step 3: Display sum
Step 4: Stop.

add()
Step 1: entry
Step 2: input i=10, j=20
Step 3: sum = i+j
Step 4: return sum

Flowchart:



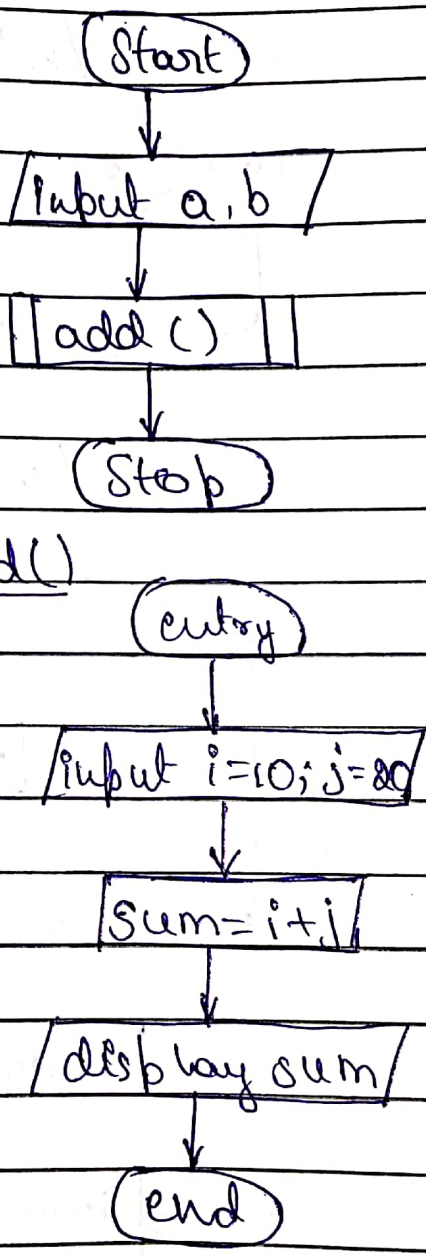
ii) Functions with no argument and no return type

Algorithm:

Step1: Start
Step2: input a, b
Step3: add()
Step4: Stop

add()
Step1: entry
Step2: Input i=10, j=20
Step3: sum= i+j
Step4: display sum
Step5: end

Flowchart:



```
1  #include <stdio.h>
2  void add(int i, int j);
3  int main()
4  {
5      int a=10,b=20;
6      add(a,b);
7  }
8  void add(int i, int j)
9  {
10     int sum;
11     sum=i+j;
12     printf("sum is %d",sum);
13 }
14
```

```
sum is 30
```

iii) Functions with arguments and without return types.

Algorithm:

Step 1: Start
Step 2: input a=10, b=20
Step 3: add(a, b)
Step 4: stop

add(int i, int j)
Step 1: entry
Step 2: sum = i+j
Step 3: display sum
Step 4: end

Flowchart: