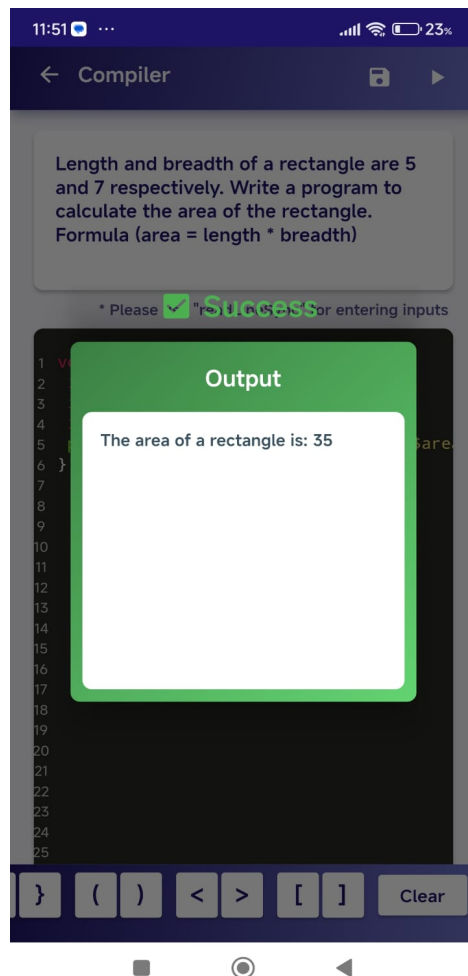# Name: Mujeeb Sheikh

Q1) Length and breadth of a rectangle are 5 and 7 respectively. Write a program to calculate the area of the rectangle.

Formula (area = length * breadth)

Answer)

```
void main() {
  int length = 5;
  int breadth =7;
  int area = length * breadth;
  print('The area of a rectangle is: $area');
}
```

← Compiler 💾 ▶

Length and breadth of a rectangle are 5 and 7 respectively. Write a program to calculate the area of the rectangle. Formula (area = length * breadth)

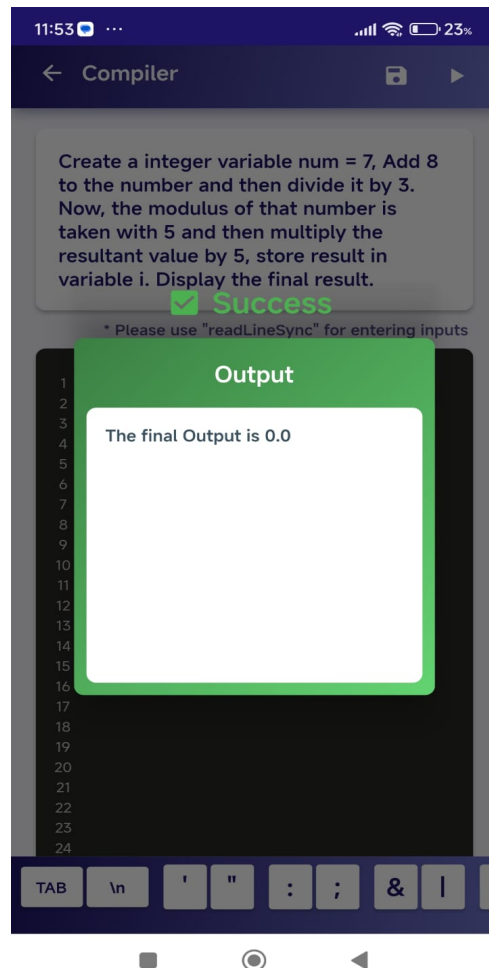* Please ✅ "Success" or entering inputs

Output

The area of a rectangle is: 35

} ( ) < > [ ] Clear

Q2) Create a integer variable num = 7, Add 8 to the number and then divide it by 3. Now, the modulus of that number is taken with 5 and then multiply the resultant value by 5, store result in variable i. Display the final result.

Answer)

```
void main() {

  int num = 7;

  int sum = 8;

  double i= (num + sum)/3 % 5*5;

  print('The final Output is $i');

}
```

← Compiler

Create a integer variable num = 7, Add 8
to the number and then divide it by 3.
Now, the modulus of that number is
taken with 5 and then multiply the
resultant value by 5, store result in
variable i. Display the final result.
✅ Success
* Please use "readLineSync" for entering inputs

Output

The final Output is 0.0

TAB   \n   '   "   :   ;   & |

Q3) Write a program create two integer variables 'a' and 'b' and assign them any number and then check if both the conditions 'a < 50' and 'a < b' are true. Display the result, now check if at-least one of the conditions 'a < 50' and 'a < b' is true
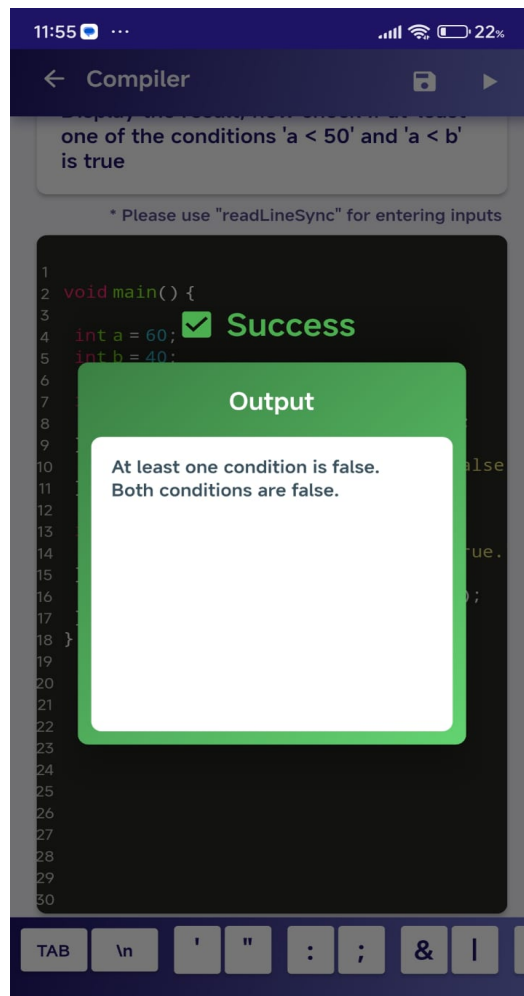
Answer)

```
void main() {


  int a = 60;

  int b = 40;


 if (a < 50 && a < b) {

  print("Both conditions are true.");
```

```
} else {

  print("At least one condition is false.");

}


if (a < 50 || a < b) {

  print("At least one condition is true.");

} else {

  print("Both conditions are false.");

}

}
```

Q4) If the marks of Robert in three subjects are 78,45 and 62 respectively (each out of 100), write a program to calculate his total marks and percentage marks. Print his name, marks of all three subjects, total marks and percentage.

Answer)

```
void main() {
  String name= 'Robert';
  int maths = 75;
  int science = 80;
  int urdu= 76;
  int total= 300;
  int totalmarks = maths + science + urdu;
  double percentage = (totalmarks/total)*100;
print('Name: $name');
print('marks of subject 1 = $maths');
print('marks of subject 2 = $science');
print('marks of subject 3 = $urdu');
print('totalmarks = $total');
print('total no out of 300 = $totalmarks');
print('percentage = $percentage');
```

his name, marks of all three subjects,
total marks and percentage.

* Please use "readLineSync" for entering inputs

```dart
1  void main() {
2    String name= 'Robert';
3    int maths =
4    int science
5    int urdu= 76;
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20  }
21
22
23
24
25
26
27
28
29
30
```

✓ **Success**

Output

Name: Robert
marks of subject 1 = 75
marks of subject 2 = 80
marks of subject 3 = 76
totalmarks = 300
total no out of 300 = 231
percentage = 77.0

| TAB | \n | ' | " | : | ; | & | | |