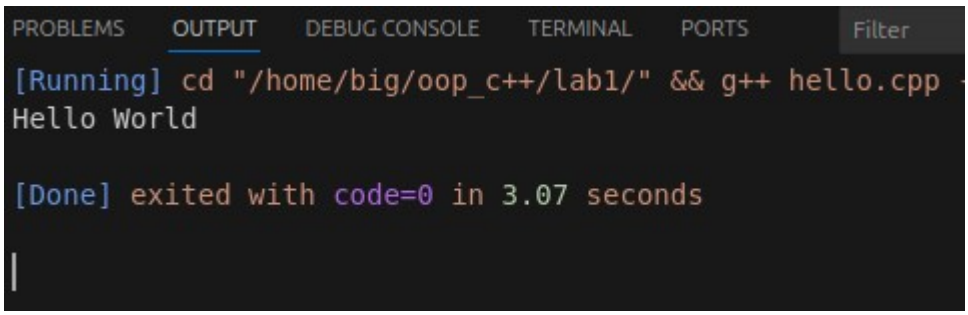
Title

Write a program to display simple “Hello World” to the console.

Objectives

Program

Output :



Conclusion

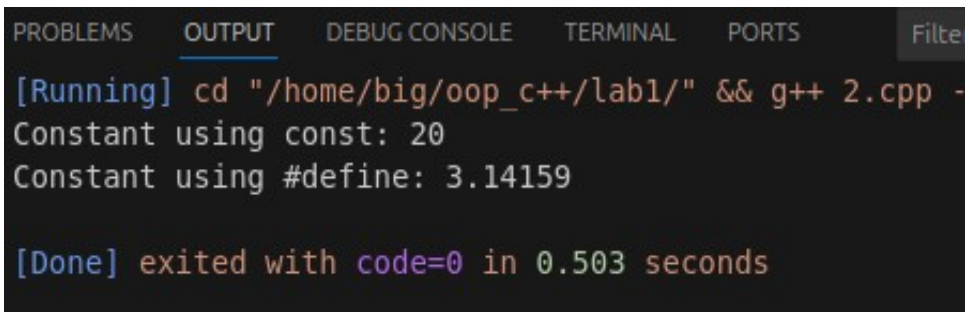
Title

WAP to demonstrate use of constant using const keyword and #define preprocessor directive.

Objectives

Program

Output :



Conclusion

Title

WAP to perform basic arithmetic operations.

Objectives

Program

Output :

Conclusion

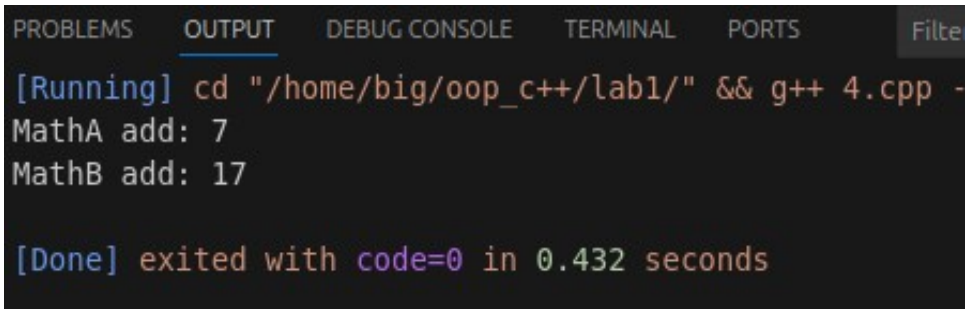
Title

WAP to define user defined namespaces MathA and MathB.

Objectives

Program

Output :



Conclusion

Title

WAP to accept name, age and height from the user and display the output by using manipulators like setw(), setprecision(), setfill(), etc. to format the final output.

Objectives

Program

Input :

Output :

```
big@hell-na:~/oop_c++/lab1$ ./run
Enter your name: ram
Enter age: 20
Enter height in cm: 180
------------------------------
Name: -----------------ram
Age: --------------------20
Height: ------------180.00 cm
```

Conclusion

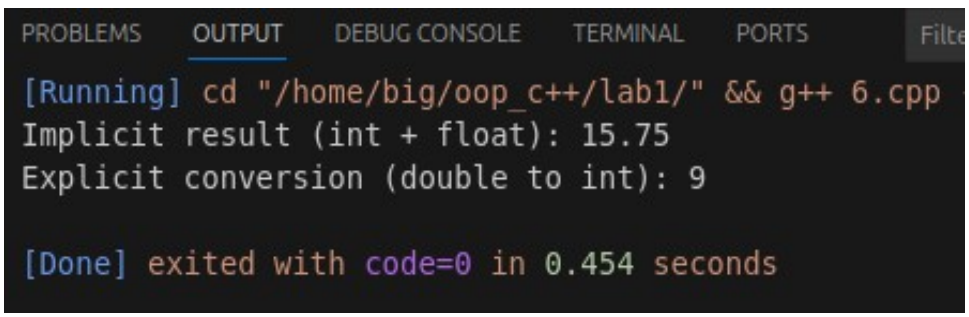
Title

Create a program using all types of basic data types and type conversion between them (implicit and explicit)

Objectives

Program

Output :



Conclusion

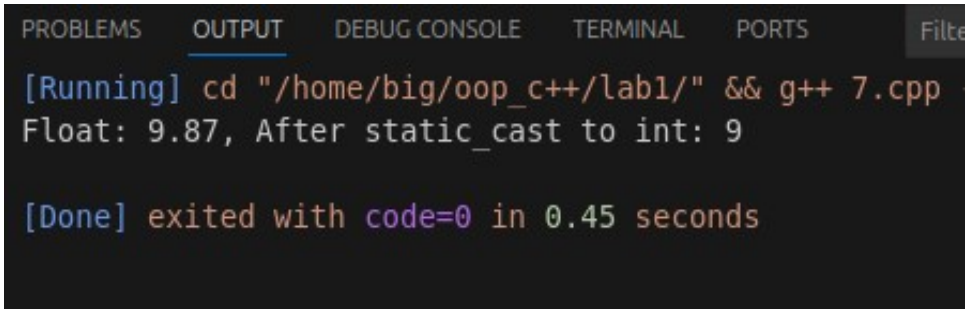
Title

Create a program that shows all basic data types, and uses static_cast<> to convert from float to int

Objectives

Program

Output :



Conclusion

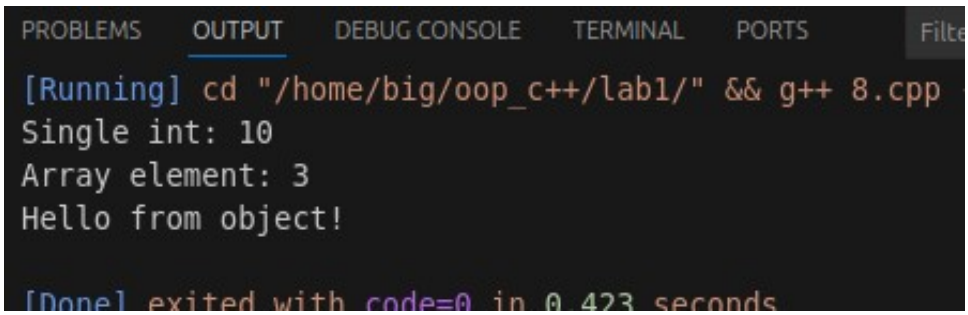
Title

Write a program to dynamically allocate and deallocate memory for an integer, array of integers, and an object using new and delete

Objectives

Program

Output :



Conclusion

Title

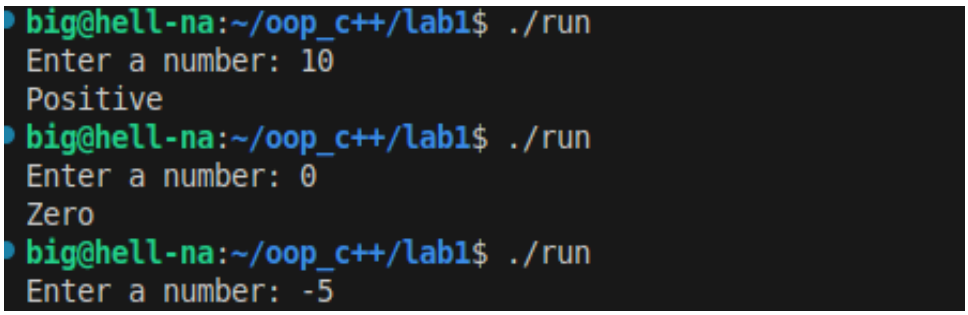
Write a C++ program that checks whether a number is positive, negative, or zero using if-else

Objectives

Program

Input

Output :



Conclusion

Title

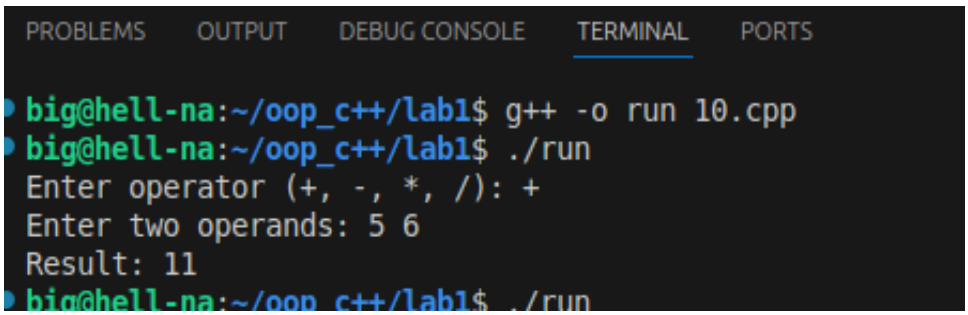
Use switch-case to create a simple calculator (add, subtract, multiply, divide)

Objectives

Program

Input

Output :



Conclusion

Title

Display all even numbers between 1 and 100 using for, while, and do-while

Objectives

Program

Output :

```
[Running] cd "/home/big/oop_c++/lab1/" && g++ 11forl
2 4 6 8 10 12 14 16 18 20
22 24 26 28 30 32 34 36 38 40
42 44 46 48 50 52 54 56 58 60
62 64 66 68 70 72 74 76 78 80
82 84 86 88 90 92 94 96 98 100
```

Conclusion

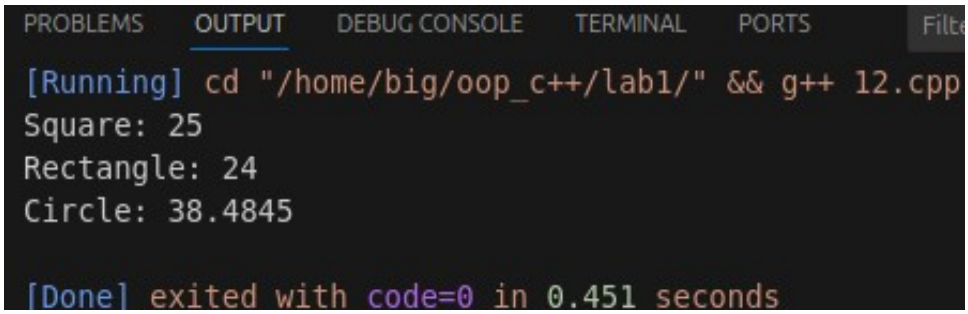
Title

Create overloaded functions area() to calculate the area of:
a square (one argument),a rectangle (two arguments),a circle (one float argument).

Objectives

Program

Output :



Conclusion

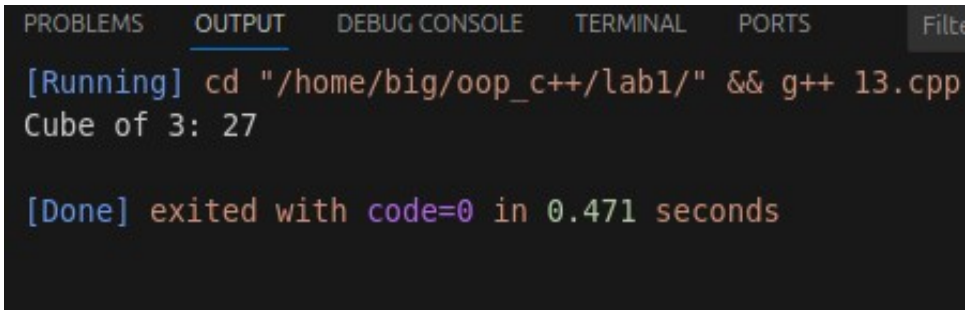
Title

Write an inline function to calculate the cube of a number

Objectives

Program

Output :



Conclusion

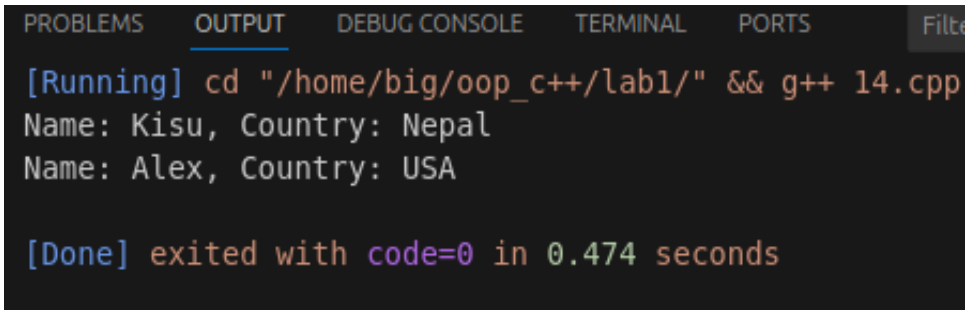
Title

Write a function printInfo with default argument for country = "Nepal"

Objectives

Program

Output :



Conclusion

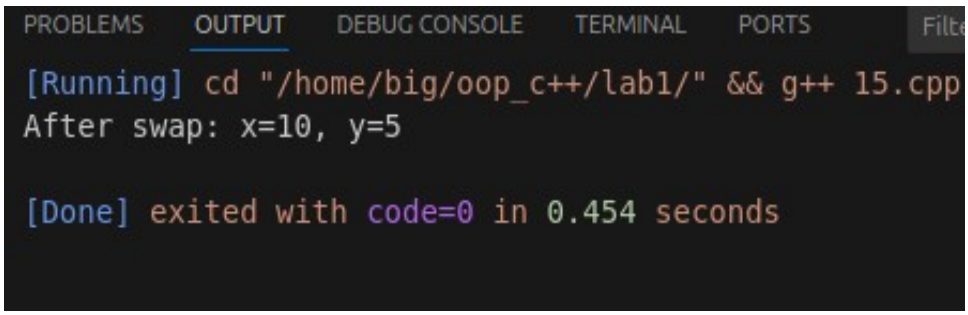
Title

Write a function that swaps two numbers using pass by reference

Objectives

Program

Output :



Conclusion

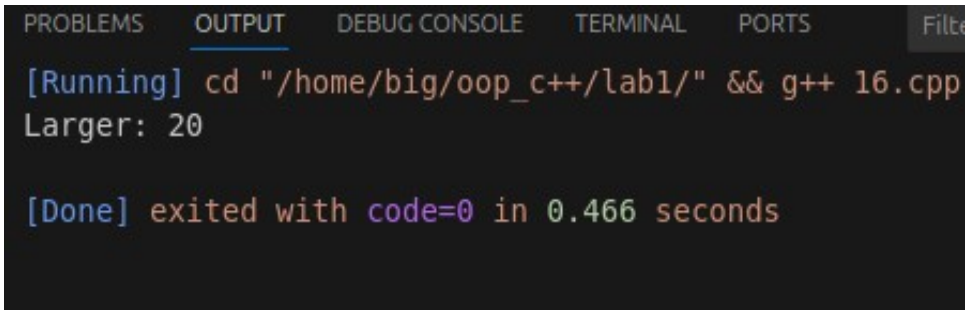
Title

Return a reference from a function that returns the larger of two numbers

Objectives

Program

Output :



Conclusion

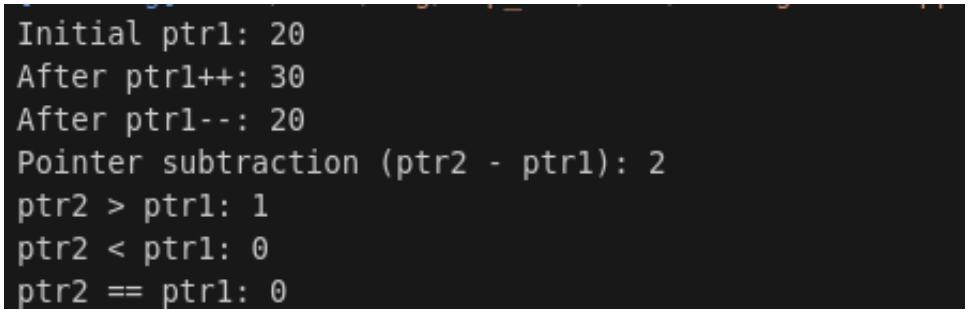
Title

Write a C++ program to demonstrate the use of pointer arithmetic, including:ptr++ (pointer increment) , ptr-- (pointer decrement), ptr1 - ptr2 (pointer subtraction) , ptr1 > ptr2, ptr1 < ptr2, ptr1 == ptr2 (pointer comparisons)

Objectives

Program

Output :



Conclusion