

## C++ Variables and Data Types Assignment output

Q1. Take 2 integer values in two variables x and y and print their product.

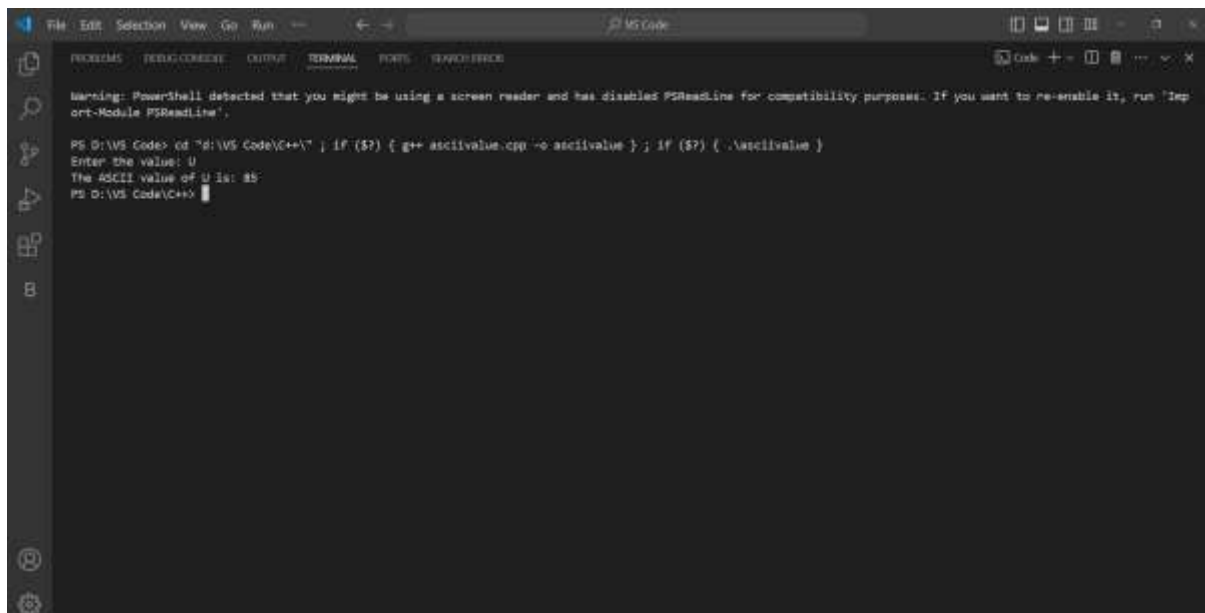


```
PROBLEMS  DEBUG CONSOLE  OUTPUT  TERMINAL  PORTS  SEARCH/ERROR

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ sumofproduct.cpp -o sumofproduct } ; if ($?) { .\sumofproduct }
Enter the Number:
Enter the value a: 45
Enter the value b: 76
The sum of Two Product is: 121
PS D:\VS Code\C++>
```

Q2. Print the ASCII value of character 'U'.



```
File  Edit  Selection  View  Go  Run  MS Code

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PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ asciivalue.cpp -o asciivalue } ; if ($?) { .\asciivalue }
Enter the value: U
The ASCII value of U is: 85
PS D:\VS Code\C++>
```

Q3. Write a C++ program to take length and breadth of a rectangle and print its area.

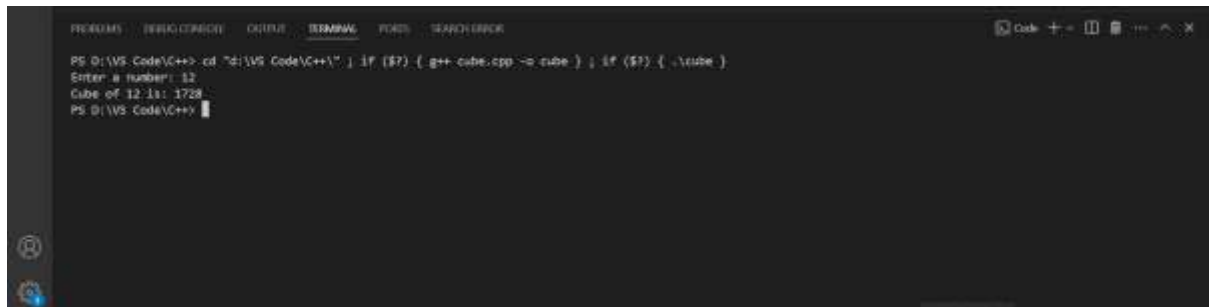


```
PROBLEMS  DEBUG CONSOLE  OUTPUT  TERMINAL  PORTS  SEARCH/ERROR

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

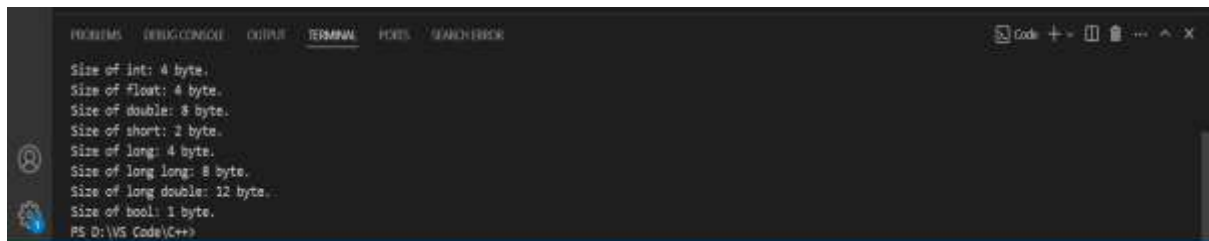
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ rectanglearea.cpp -o rectanglearea } ; if ($?) { .\rectanglearea }
Enter Length of Rectangle: 17
Enter Breadth of Rectangle: 13
The Area of Rectangle is: 221
PS D:\VS Code\C++>
```

Q4. Write a C++ program to calculate the cube of a number.



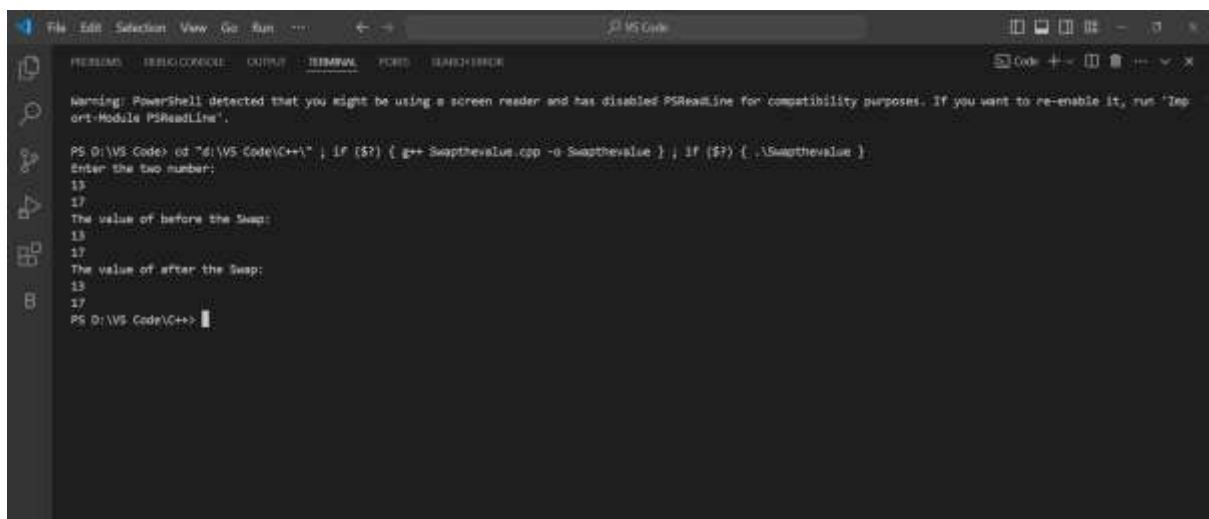
```
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ cube.cpp -o cube } ; if ($?) { .\cube }
Enter a number: 12
Cube of 12 is: 1728
PS D:\VS Code\C++>
```

Q5. Write a C++ program to find size of basic data types.



```
Size of int: 4 byte.
Size of float: 4 byte.
Size of double: 8 byte.
Size of short: 2 byte.
Size of long: 4 byte.
Size of long long: 8 byte.
Size of long double: 12 byte.
Size of bool: 1 byte.
PS D:\VS Code\C++>
```

Q6. Write a C++ program to swap two numbers with the help of a third variable.



```
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PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ Swapthevalue.cpp -o Swapthevalue } ; if ($?) { .\Swapthevalue }
Enter the two number:
13
17
The value of before the Swap:
13
17
The value of after the Swap:
13
17
PS D:\VS Code\C++>
```