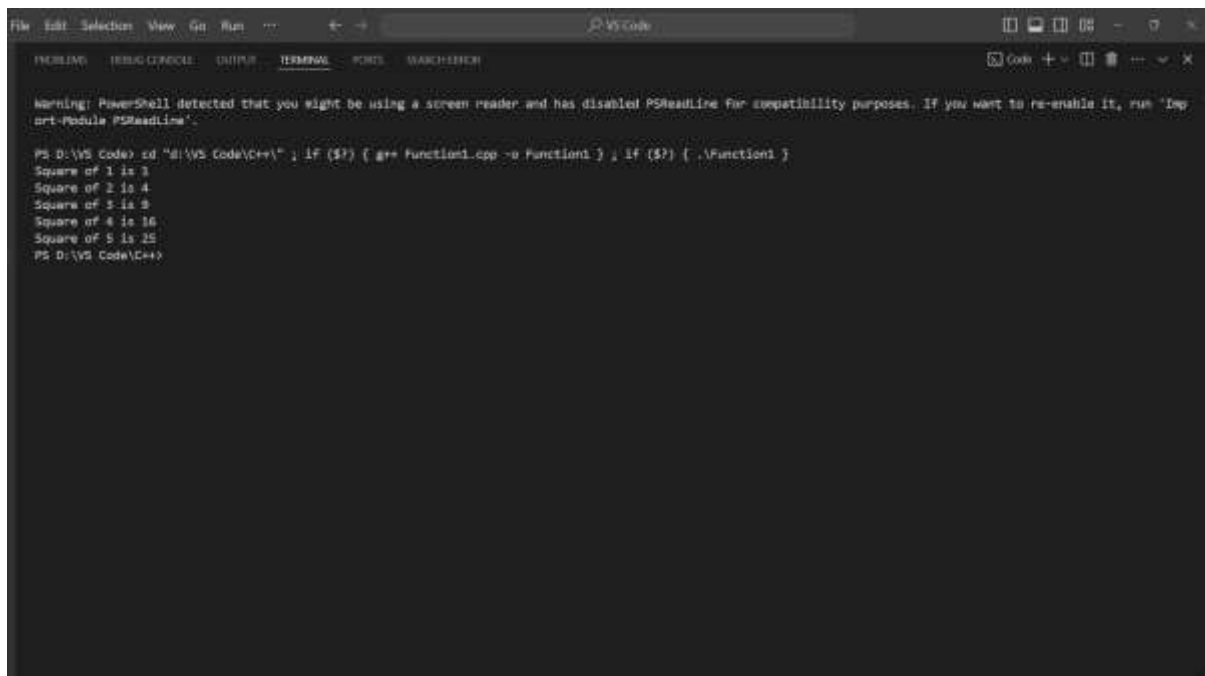


Physics Wallah

Assignment Solution of Function

Q1 - Write a function to print squares of the first 5 natural numbers.

Output: -



```
File Edit Selection View Go Run ...  
VS Code  
INFORMATION DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCHER  
Code + -  
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 ($?) { g++ Function1.cpp -o Function1 } ; if ($?) { .\Function1 }  
Square of 1 is 1  
Square of 2 is 4  
Square of 3 is 9  
Square of 4 is 16  
Square of 5 is 25  
PS D:\VS Code\C++>
```

Q2 - Given radius of a circle. Write a function to print the area and circumference of the circle.

Output: -

```
File Edit Selection View Go Run ... VS Code
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCH INDEX
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 ($?) { g++ Function2.cpp -o Function2 } ; if ($?) { .\Function2 }
Enter the radius of the circle: 5
Area of circle is: 78.5397
Circumference of circle is: 31.4159
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ Function2.cpp -o Function2 } ; if ($?) { .\Function2 }
Enter the radius of the circle: 2
Area of circle is: 3.14159
Circumference of circle is: 12.5664
PS D:\VS Code\C++>
```

Q3 - Given the age of a person, write a function to check if the person is eligible to vote or not.

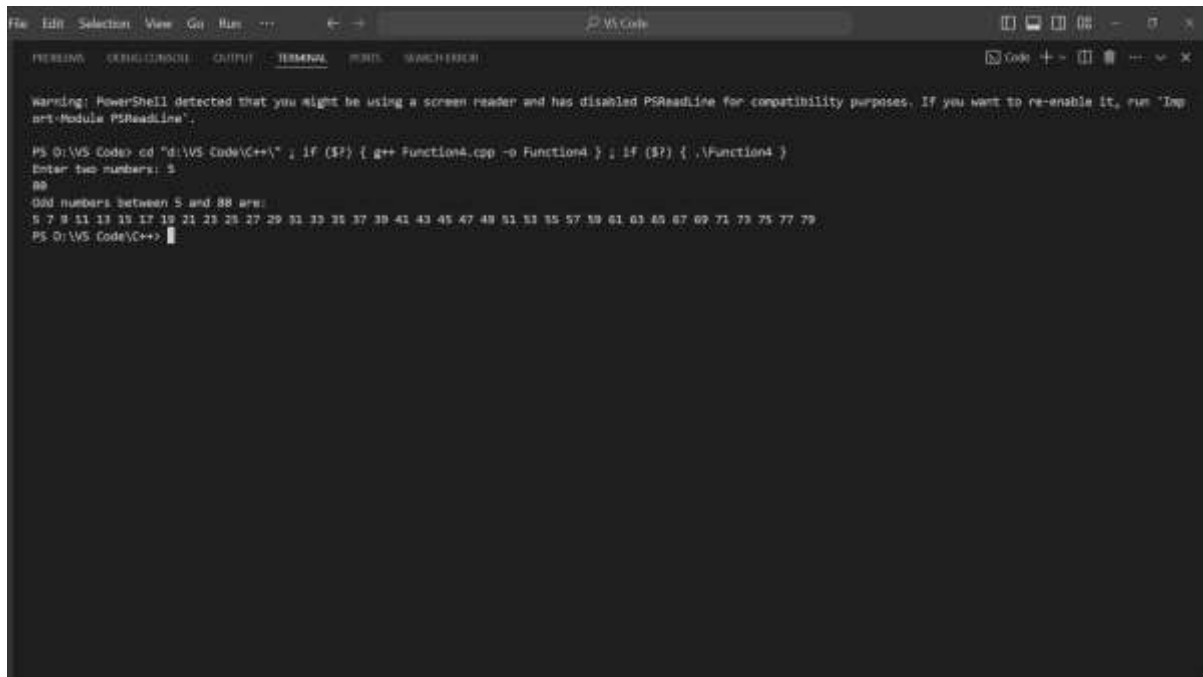
Output: -

```
File Edit Selection View Go Run ... VS Code
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCH INDEX
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 ($?) { g++ Function3.cpp -o Function3 } ; if ($?) { .\Function3 }
Enter the your age: 25
You are eligible to vote.
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ Function3.cpp -o Function3 } ; if ($?) { .\Function3 }
Enter the your age: 15
You are not eligible to vote.
PS D:\VS Code\C++>
```

Q4 - Given two numbers a and b, write a program using functions to print all the odd numbers between them.

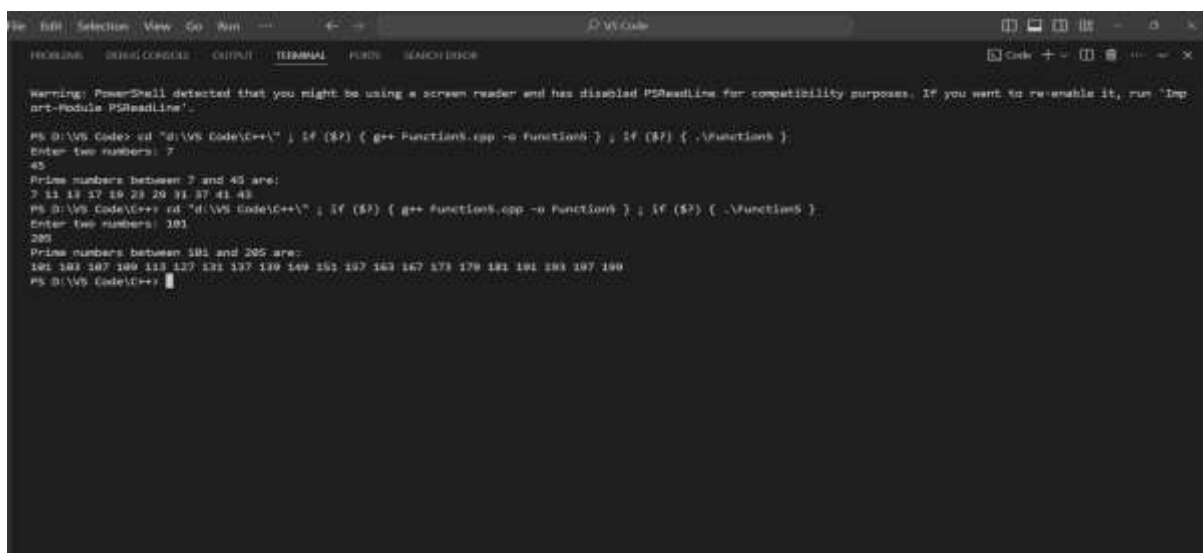
Output: -



```
File Edit Selection View Go Run ... VS Code
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCHER
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 ($?) { g++ Function4.cpp -o Function4 } ; if ($?) { .\Function4 }
Enter two numbers: 5
88
Odd numbers between 5 and 88 are:
5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79
PS D:\VS Code\C++>
```

Q5 - Given two numbers a and b, write a program to print all the prime numbers present between a and b.

Output: -



```
File Edit Selection View Go Run ... VS Code
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCHER
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 ($?) { g++ Function5.cpp -o Function5 } ; if ($?) { .\Function5 }
Enter two numbers: 7
45
Prime numbers between 7 and 45 are:
7 11 13 17 19 23 29 31 37 41 43
PS D:\VS Code\C++> cd "D:\VS Code\C++\" ; if ($?) { g++ Function5.cpp -o Function5 } ; if ($?) { .\Function5 }
Enter two numbers: 101
205
Prime numbers between 101 and 205 are:
101 103 107 109 113 127 131 137 139 149 151 157 163 167 173 179 181 191 193 197 199
PS D:\VS Code\C++>
```

