C++ Assignments | Week1

1. How can you output "Physics" and "Wallah" in two different lines in C++?

Solution-

```cpp
#include <iostream>

int main() {
    std::cout << "Physics\n";
    std::cout << "Wallah\n";
    return 0;
}
```

2. Write a program to print 10 using 2 positive numbers less than 6 in C++ as output.

Solution:-

```cpp
#include <iostream>

int main() {
    int num1 = 5;
    int num2 = 5;
    int result = num1 + num2;

    std::cout << result << std::endl;

    return 0;
}
```

3. How much space does the following data types take?

   int

   solution:-Typically takes 4 bytes (32 bits) of memory on most systems

   bool

   Solution:-typically takes 1 byte(8bits) of memory.

float

Solution:- 4bytes (32bits)

4. What is the output of this program?

```cpp
int main() {
int a = 4;
int b = 5;
a++, b--;
cout << ++a << " " << b--;
}
```
Solution:-
The output will be 6 4.

5. Write a program to find the circumference of a circle with radius 10 in C++. **6.**
How many of these can be a variable name ?

01Pwskills

_FLOAT

int

FLOAT

You will succeed

Code:-

```cpp
#include <iostream>

int main() {
   // Define the radius of the circle
   int radius = 10;

   // Calculate the circumference
   double circumference = 2 * 3.14159 * radius;

   // Output the result
   std::cout << "The circumference of the circle with radius 10 is: " << circumference << std::endl;
```

```
    return 0;
}
```

Note:- Please try to invest time doing the assignments which are necessary to build a strong foundation. Do not directly Copy Paste using Google or ChatGPT. Please use your brain 😁 .