Assignments

C++ Assignments 1

Q1. How can you output "Physics" and "Wallah" in two different lines in C++?

Solution:

```cpp
#include <iostream>
using namespace std;
int main() {
cout << "Physics" << endl;
cout << "Wallah" << endl;
return 0;
}
```

Q2. Print 10 using 2 positive numbers less than 6 in C++ as output.

Solution:

```cpp
#include <iostream>
using namespace std;
int main() {
cout << 5 + 5 << endl;
}
```

Q3. How much space does the following data types take?

- **int**

- **bool**

- **float**

Solution:

int	4 bytes
bool	1 byte
float	4 bytes

Q4. What is the output of this program?

```cpp
int main() {
int a = 4;
int b = 5;
a++, b--;
cout << ++a << " " << b--;
}
```

Solution:

```
6 4
```

Q5. WAP to find the circumference of a circle with radius 10 in C++.

Solution:

```cpp
#include <iostream>
using namespace std;
int main() {
int r = 10;
float pi = 3.14;
float circumference = 2 * pi * r;
cout << circumference;
return 0;
}
```

Q6. How many of these can be a variable name ?

- **01Pwskills**
- **_FLOAT**
- **int**
- **FLOAT**
- **You will succeed**

Solution:

Only 2 of the above can be a variable name.

1st option is incorrect since a variable name cannot start with a number.

2nd option is correct because a variable name can start with underscore.

3rd option is incorrect as a variable name because int is a reserved keyword and cannot be used as a variable name.

4th option is still correct because C++ is a case sensitive language. Here FLOAT and float are treated differently therefore FLOAT is not a reserved keyword hence can be used as variable name.

Last option is incorrect because no variable can have spaces in between.

THANK YOU !