***PW SKILLS***

ASSIGNMENT :- 1

**C++ ASSIGNMENT SOLUTION**

***Name – ashish sharma***

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

**Solution:-**

#include<iostream>

using namespace std;

int main (){

    // to change the line we use <<endl or "\n"

    cout<<"physics"<<endl<<"wallah";

    return 0;

}

**Q2. Write a program to print 10 using 2 positive numbers less than 6 in C++ as output.**

**Solution:-**

#include<iostream>

using namespace std;

int main (){

    //to print 10 using two number less then 6 is 5+5 and

    // we can simply print it by cout without  using ""

    cout<<5+5;

    return 0;

}

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

**Solution:-**

**Datatype used space**

**Int 4 bytes**

**Bool 1 bytes**

**Float 4 bytes**

**Q4. What is the output of this program?**

**int main() {**

**int a = 4;**

**int b = 5;**

**a++, b--;**

**cout << ++a << " " << b--;**

**}**

**Solution:-**

**As we can see the variable a is first incremented as a++ the the value of it became 5 and in cout it first increments and the printed so the value of a will be 6.**

**And for b we can see that first it is decremented so it became 4 and in cout it first printed and then incremented so it will be printed as 4.**

**Output will be:- 6 4**

**An space is also printed between 6 and 4.**

**Q5. Write a program to find the circumference of a circle with radius 10 in C++.**

**Solution:-**

#include<iostream>

using namespace std;

int main (){

    //circumference of the circle of radious 10

    cout<<2\*3.14\*10;

}

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

**1. 01Pwskills :- NOT a variable because it is starting with a numerical value.**

**2. \_FLOAT :- IT IS a variable.**

**3. int :- IT IS a variable.**

**4. FLOAT :- IT IS a variable.**

**5. you will succeed:- NOT a variable because it have separated by spaces.**