Assignment Questions

**Q1 – Take two integer values in two variables x and y and print their product**

**Ans:--**

*#include*<iostream>

using namespace std;

int main()

{

    int x,y;

    cout<<"Enter the value of x and y"<<endl;

    cin>>x>>y;

    cout<<"The product of the two numbers are = "<<x\*y;

}

**Q2 – Print the ASCII value of character ‘U’**

**Ans:--**

*#include*<iostream>

using namespace std;

int main()

{

   char c= 'U';

    cout<<"The ASCII value of the character 'U' is "<<(int)c;

}

**Q3 – Write a c++ program to take the length and breadth of a rectangle and print its area**

**Ans:--**

*#include*<iostream>

using namespace std;

int main()

{

    int l,b;

    cout<<"Enter the value of length and breadth of rectangle"<<endl;

    cin>>l>>b;

    cout<<"The area of the rectangle is = "<<l\*b;

}

**Q4 – Write a c++ program to calculate the cube of a number**

**Ans:--**

*#include*<iostream>

using namespace std;

int main()

{

    int a;

    cout<<"Enter the value of a"<<endl;

    cin>>a;

    cout<<"The cube of a is = "<<a\*a\*a;

}

**Q5 – Write a c++ program to find size of basic data types**

**Ans:--**

*#include*<iostream>

using namespace std;

int main()

{

   cout<<"The size of char is "<<sizeof(char)<<" bytes"<<endl;

   cout<<"The size of short is "<<sizeof(short)<<" bytes"<<endl;

   cout<<"The size of int is "<<sizeof(int)<<" bytes"<<endl;

   cout<<"The size of long is "<<sizeof(long)<<" bytes"<<endl;

   cout<<"The size of long long is "<<sizeof(long long)<<" bytes"<<endl;

   cout<<"The size of float is "<<sizeof(float)<<" bytes"<<endl;

   cout<<"The size of double is "<<sizeof(double)<<" bytes"<<endl;

   cout<<"The size of long double is "<<sizeof(long double)<<" bytes"<<endl;

   cout<<"The size of bool is "<<sizeof(bool)<<" bytes";

}

**Q6 – Write a c++ program to swap two numbers with the help of a third variable**

**Ans:--**

*#include*<iostream>

using namespace std;

int main()

{

    int a,b,c;

    cout<<"Enter the value of a and b"<<endl;

    cin>>a>>b;

    c = a;

    a = b;

    b = c;

    cout<<"The value of a and b after swapping is "<<a<<" "<<b;

}