Assignment 35

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Tuesday, November 22, 2022
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1
// Assignment 34 Question 1
#include<iostream>
using namespace std;
template <class R,class T,class T1=double>
T1 Multi_ple(R_a, T_b)
{
             return a+b;
int main()
             cout<<"Addition is : "<<Multi_ple(10,20)<<endl;</pre>
             cout<<"Addition is : "<<Multi ple(5.2,6.3)<<endl;</pre>
             cout<<"Addition is : "<<Multi_ple<double>(7,9);
2
// Assignment 34 Question 2
#include<iostream>
using namespace std;
template <class R,class T,class T1=double>
\underline{\mathsf{T1}} Multi_ple(\underline{\mathsf{R}} \underline{\mathsf{a}},\underline{\mathsf{T}} \underline{\mathsf{b}})
             return (a>b)?a:b;
int main()
             cout<<"Greater No is : "<<Multi_ple(10,20)<<endl;</pre>
             cout<<"Greater No is : "<<Multi ple(5.2,6.3)<<endl;</pre>
             cout<<"Greater No is : "<<Multi_ple<double>(7,9);
}
3
// Assignment 34 Question 3
#include<iostream>
using namespace std;
template <class <a href="https://example.com/redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new-redaction-new
T1 Multi_ple(R_a,T_b,T1_c)
             if(a>b)
                if(a>c)
                return a;
             else if(b > a)
                          if(b>c)
                          return b;
             else
             return c;
int main()
             cout<<"Greater No is : "<<Multi_ple(110,20,15)<<endl;</pre>
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cout<<"Greater No is : "<<Multi ple(7.2,6.3,5.9)<<endl;</pre>
     cout<<"Greater No is : "<<Multi ple<double>(17,9,3);
}
4
// Assignment 34 Ouestion 4
#include<iostream>
using namespace std;
template \langle class \underline{S}, class \underline{R}, class \underline{T} = void \rangle
T Swap(S a, R b)
     S x;
     x = a;
     a = b;
     b=x;
     cout<<"After Swaping First Value is : "<<a<<"\nSecond value is : "<<b;</pre>
int main()
     int r = 10, f = 50;
     Swap(r,f);
}
5
// Assignment 34 Question 5
#include<iostream>
using namespace std;
template <class one, class two>
one Add Number(one first, two second)
     return first + second ;
int main()
     cout<<"Addition is : "<<Add_Number(10,20);</pre>
6
// Assignment 34 Question 6
#include<iostream>
using namespace std;
template \langle class \underline{A}, class \underline{T}=int \rangle
\underline{\mathsf{T}} Sum_Array(\underline{\mathsf{A}} \underline{\mathsf{a}}[], \underline{\mathsf{T}} \underline{\mathsf{b}})
     \underline{A} i, sum=0;
     cout<<"\nEnter five Number : ";</pre>
     for(i=0; i<b; i++)
        cin >> a[i];
     for(i=0; i<b; i++)
          sum = sum + a[i];
     cout<<"Addition is : "<< sum;</pre>
int main()
     int Array[5],Addition;
     Addition = Sum_Array(Array,5);
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7
// Assignment 34 Question 7
#include<iostream>
using namespace std;
class NON
    protected:
    int one;
    int two;
    public:
};
template \langle class \underline{A}, class \underline{B}, class \underline{C} = void \rangle
class Template: public NON
{
    public:
    C_Set_Data()
         {
              cout<<"\nEnter First value : ";</pre>
              cin>>one;
              cout<<"\nEnter Second value : ";</pre>
              cin>>two;
         A_Display_Data()
              return one * two ;
};
int main()
    Template <int,float>m;
    m.Set Data();
    cout<<"Multplication is : "<<m.Display_Data();</pre>
}
8
// Assignment 34 Question 8
#include<iostream>
using namespace std;
template \langle class \ \underline{T} \rangle
class Stack
{
    private:
    int top=-1;
    T s[50];
    public:
       void push(\underline{T}_i) // for inserting
          s[++top]=i;
       T_pop() // for Deleting
         return s[top--];
};
int main()
    Stack <int > s;
    Stack <string> s1;
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// for inserting
    s.push(5);
   s1.push("Hello");  // for insert
cout<<s1.pop();  // for Deleting</pre>
                         // for inserting
}
9
// Assignment 34 Question 9
#include<iostream>
using namespace std;
template <class <u>T</u>,class <u>S</u>>
S Add_function(T a,S b)
   return a+b;
int main()
   float one ,two;
   cout<<"Enter two number for addition : ";</pre>
   cin>>one>>two;
   cout<<"Addition is : "<< Add_function<int,float>(one,two);
}
10
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