I. Wap swap two value by using template.

```
#include <iostream>
using namespace std;
template <class T>
void Swap(T &x, T &y){
   T temps
   temp = x;
   x = y;
   y = temps
7
int main()
   int x, yr
   cout << "Enter two numbers:"
   cin >> x >> y;
   cout << "Before Swap: ";
   cout << "nx value is: " << x;
   cout \ll "Ny value is:" \ll y;
   Swap(x, y);
   cout < "\n\nAfter Function Templates:\n";
   cout << "\nx value is : " << x;
   cout < "ny value is: " < y;
   return Or
3
           Enter two numbers : 10 20
           Before Swap:
           x value is: 10
           y value is: 20
           After Function Templates:
           x value is: 20
           y value is: 10
```

92. Wap to add two no of same type by using template

```
#include <iostream>
using namespace std;
template <class t1>
void sum(t1 a, t1 b)?
   cout << "\nSum = " << a + b << endl;
3
int main()
   int a, b
   cout < "\nEnter two integer data: ";
   cin >> a >> b
   eum(a, b);
   return Or
3
            Enter two integer data: 10 20
            Sum = 30
```

93. Wap to add two different types of number by using template.

```
#include <iostream>
using namespace stds
template <class t1, class t2>
void sum(t1 a, t2 b)
   cout << "\nSum = " << a + b << endl;
3
```

```
z
int main()
   int a, b
   float x, y, cout < "\nEnter integer data: ";
   cin >> as
   cout « "NEnter float data: ";
   cin >> x1
   eum(a, x);
   return Or
3
             Enter integer data: 10
             Enter float data: 10.20
             Sum = 20.2
```

94. Wap to create template class which will add two different types of no and display it

```
#include <iostream>
using namespace std;
template <class T1, class T2 = int>
class Sum
   TI X;
    T2 yr
  public:
   void
   input(){
      cout << "\n Enter two numbers: ";
      cin >> x >> y;
   void addition();
template <class T1, class T2>
void Sum<T1, T2>::addition(){
   int z
   Z = x + y;
   cout << "\n Addition:" << z;
int main()
   Sum<int, int> X:
   Xinbut();
   X.addition();
   return Os
3
        Enter two numbers: 10 20
        Addition :30
```