```
#include<iostream>
using namespace std;
int n;
#define size 10
template<class T>
void sel(T A[size])
{
   int i,j,min;
   T temp;
   for(i=0;i<n-1;i++)
   {
      min=i;
      for(j=i+1;j<n;j++)
      {
         if(A[j]<A[min])
         min=j;
      }
      temp=A[i];
      A[i]=A[min];
      A[min]=temp;
   }
   cout<<"\nSorted array:";
   for(i=0;i<n;i++)
   {
      cout<<" "<<A[i];
   }
}

int main()
{
   int A[size];
```

```
float B[size];
int i;
int ch;
do
	{
		cout<<"\n* * * * * SELECTION SORT SYSTEM * * * * *";
		cout<<"\n--------------------MENU----------------------";
		cout<<"\n1. Integer Values";
		cout<<"\n2. Float Values";
		cout<<"\n3. Exit";
		cout<<"\n\nEnter your choice : ";
		cin>>ch;

		switch(ch)
		{
			case 1:
				cout<<"\nEnter total no of int elements:";
	cin>>n;
	cout<<"\nEnter int elements:";
	for(i=0;i<n;i++)
	{
	   cin>>A[i];
	}
	sel(A);
				break;

			case 2:
				cout<<"\nEnter total no of float elements:";
	cin>>n;
	cout<<"\nEnter float elements:";
	for(i=0;i<n;i++)
```

```
            {
               cin>>B[i];
            }
            sel(B);
                                    break;

                        case 3:
                                    exit(0);
                    }
            }while(ch!=3);



  return 0;

}
```

OUTPUT

* * * * * SELECTION SORT SYSTEM * * * * *

----------MENU----------

1. Integer Values

2. Float Values

3. Exit

Enter your choice : 1

Enter total no of int elements:3

Enter int elements:56

34

90

Sorted array: 34 56 90

*** * * * * SELECTION SORT SYSTEM * * * * ***

----------MENU----------

1. Integer Values

2. Float Values

3. Exit

Enter your choice : 2

Enter total no of float elements:3

Enter float elements:23

67

43

Sorted array: 23 43 67

*** * * * * SELECTION SORT SYSTEM * * * * ***

----------MENU----------

1. Integer Values

2. Float Values

3. Exit

Enter your choice : 3