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Roll No:- 66 **Class:-** SYBCA **Batch:-**
Practical 9 :- Implementation of Selection sort.

```
#include<iostream.h>
#include<conio.h>
class selectionsort
{
  public:
  int i,*a,n,loc;
  selectionsort()
  {
    cout<<"\nEnter the size of the array: ";
    cin>>n;
    a=new int[n];
  }
  void GetData()
  {
    cout<<"\nEnter"<<n<<"elements: ";
    for(int i=0;i<n;i++)
    cin>>a[i];
  }
  void Putdata()
  {
   for(int i=0;i<n;i++)
   cout<<" "<<a[i];
  }
  void selection()
  {
    for(i=0;i<n-1;i++)
    {
          loc=i;
      for(int j=i+1;j<n;j++)
      {
           if(a[j]<a[loc])
          {
            loc=j;
          }
```

```
    }
   if(loc!=1)
   {
     int temp=a[loc];
     a[loc]=a[i];
     a[i]=temp;
   }
  }
}
};
void main()
{
clrscr();
selectionsort s;
s.GetData();
cout<<"\nBefore sorting: ";
s.Putdata();
s.selection();
cout<<"\nAfter sorting: ";
s.Putdata();
getch();
}
n
```

OUTPUT

```
Enter the size of the array: 5
Enter 5 elements:
     45       76       12      4      90
```

Before sorting:

```
45
76
12
4
90
```

After sorting:

```
4
12
45
76
90
```