BANK CUSTOMER

```
#include<iostream>
using namespace std;
class details
{
private:
string name;
int accno;
int bal;

public:
void getdata(void);
void printdata(void)
{
cout<<"Customer name : "<<name<<endl;
cout<<"Account number : "<<accno<<endl;
cout<<"Bank balance : "<<bal<<endl;
}
};
int main()
{
details s1;
s1.getdata();
s1.printdata();

details s2;
s2.getdata();
s2.printdata();

details s3;
s3.getdata();
s3.printdata();

return 0;
}

void details::getdata(void)
{
cout<<"Enter the Customer Name : "<<endl;
cin>>name;
cout<<"Enter the Account number  : "<<endl;
cin>>accno;
cout<<"Enter the Bank Balance : "<<endl;
cin>>bal;
}
```

NATURAL NUMBER

```
#include<iostream>
using namespace std;
int sum(int num)
{
int result=0;
while(num!=0)
{
result=result+num;
num--;
}
return result;
}int main()
{
int x,a;

cout<<"Enter the INTEGER number :"<<endl;
cin>>x;

a=sum(x);
cout<<"Sum of numbers upto: "<<x<<" is "<<a;
return 0;
}
```

SWAP NUMBERS

```
#include<iostream>
using namespace std;
int swapNums(int &x,int &y);
int main()
{
    int firstNum = 20, secondNum =10;
    cout<<"Before swaping \n";
    cout<<"firstNum= "<<firstNum<<endl;
    cout<<"secondNum= "<<secondNum<<endl;

    // call the function to swap the numbers
    swapNums(firstNum , secondNum );
cout<<"After swaping \n";
cout<<"firstNum= "<<firstNum<<endl;
    cout<<"secondNum= "<<secondNum<<endl;
return 0;
}
int swapNums(int &x , int &y)
{
int z;
z = x;
x = y;
y = z;

return x,y;
}
```

ROBOT

```
#include<iostream>
using namespace std;
int main()
{
char key;
cout<<"Enter a Key :";
cin>>key;

switch(key)
{
case 'a' :
cout<<"MOVE LEFT" ;
break;

case 'b' :
cout<<"MOVE RIGHT" ;
break;

case 'c' :
cout<<"MOVE FORWARD " ;
break;

case 'd' :
cout<<"MOVE BACKWORD" ;
break;

case 'e' :
cout<<"JUMP" ;
break;

case 'f' :
cout<<"STOP" ;
break;

default :
cout<<"Check Your Instruction";
}
return 0;
}
```

SMALL LARGE NO IN ARRAY

```
#include<iostream>
using namespace std;
int main()
{
int array[10] = {2,5,31,54,74,66,99,88,12,50};
int largest;
largest = array[0];

for(int i=1 ; i<=9 ; i++)
{
if(largest>array[i])
{
continue;
}
else
{
largest=array[i];
}
}

cout<<"LARGEST  number is : "<<largest<<endl;


int smallest;
smallest = array[0];

for(int i=1 ; i>=9 ; i++)
{
if(smallest<array[i])
{
continue;
}
else
{
smallest=array[i];
}
}

cout<<"SMALLEST number is : "<<smallest<<endl;

return 0;
}
```

OCCURANCE OF NUMBER

```
#include<iostream>
using namespace std;
int main()
{
int num,count=0;
int array[10] = {2,5,6,9,2,5,4,7,2};

cout<<"ENTER THE NUMBER :";
cin>>num;

for(int i=0 ; i<9 ;i++)
{
if(num == array[i])
{
count++;
}
else
{
   continue;
}
}

cout<<num<<" is OCCURED "<<count<< "TIMES" ;

return 0;
}
```

ASCENDING ORDER

```
public class ascending
{
    public static void main(String[] args)
{

        //Initialize array
        int [] arr = new int [] {5, 2, 8, 7, 1};
        int temp = 0;

        //Displaying elements of original array
        System.out.println("Elements of original array: ");
        for (int i = 0; i < arr.length; i++)
{
            System.out.print(arr[i] + " ");
        }

        //Sort the array in ascending order
        for (int i = 0; i < arr.length; i++)
{
            for (int j = i+1; j < arr.length; j++)
{
               if(arr[i] > arr[j])
  {
                   temp = arr[i];
                   arr[i] = arr[j];
                   arr[j] = temp;
               }
            }
        }

        System.out.println();

        //Displaying elements of array after sorting
        System.out.println("Elements of array sorted in ascending order: ");
        for (int i = 0; i < arr.length; i++)
{
            System.out.print(arr[i] + " ");
        }
    }
}
```

METHOD OVER LOADING

```
                    public class method
{
Static method
static void mystaticMethod()
   System.out.println("This is Empty Method");

Public method
public void myPublicMethod(String sharib)
   System.out.println("My name is "+ sharib);

myMethod(int n1, int n2)

return n1+n2;

Main Method

 public static void main(String[] args)
 {
  mystaticMethod():
  method myObj = new  method();
  myObj.myPublicMethod("sharib");


  add = myMethod(5,25);

     System.out.println("Addition is " + add);
  }
}
```

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void printdata(void)
{
cout<<"Customer name : "<<name<<endl;
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cout<<"Bank balance : "<<bal<<endl;
}
};
int main()
{
details s1;
s1.getdata();
s1.printdata();

details s2;
s2.getdata();
s2.printdata();

details s3;
s3.getdata();
s3.printdata();

return 0;
}

void details::getdata(void)
{
cout<<"Enter the Customer Name : "<<endl;
cin>>name;
cout<<"Enter the Account number  : "<<endl;
cin>>accno;
cout<<"Enter the Bank Balance : "<<endl;
cin>>bal;
}
```