

Basic API

1.String value API

```
@GetMapping("/firstapi")
public String StringAPI()
{
    return "Hello Spring Boot Application!";
}
```

Output:-

Hello Spring Boot Application!

2.Int value API

```
@GetMapping("/intvalue")
public int IntAPI2()
{
    return 10;
}
```

Output:-

10

3.Int array API

```
@RequestMapping("/array")
public int[] ArrayAPI3()
{
    int array[]={ 10,20,30,40,50};

    return array;
}
```

Output:-

[10,20,30,40,50]

4. ArrayList API

```
@RequestMapping("/arraylist")
public ArrayList<String> ArrayListAPI4()
{
    ArrayList<String> arraylist=new ArrayList<>();
    arraylist.add("abc");
    arraylist.add("pqr");
    arraylist.add("str");

    return arraylist;
}
```

Output:-

["abc","pqr","str"]

5.String API

```
@RequestMapping("/stringarray")
public String[] StringArrayAPI5()
{
    String array[]=new String[4];
    array[0]="abc";
    array[1]="pqr";
    array[2]="str";
    array[3]="xyz";
    return array;
}
```

Output:-

["abc","pqr","str","xyz"]

6. Hashmap API

```
@RequestMapping("/hashmap")
public HashMap<String,ArrayList<String>> HashMapAPI6()
{
    ArrayList<String> arraylist1=new ArrayList<>();
    arraylist1.add("abc");
    arraylist1.add("pqr");
    arraylist1.add("str");

    ArrayList<String> arraylist2=new ArrayList<>();
    arraylist2.add("xyz");
    arraylist2.add("ert");
    arraylist2.add("olk");

    HashMap<String, ArrayList<String>> hm=new HashMap<>();

    hm.put("Arraylist1", arraylist1);
    hm.put("ArrayList2", arraylist2);

    return hm;
}
```

Output:-

```
{"Arraylist1":["abc","pqr","str"],"ArrayList2":["xyz","ert","olk"]}
```

7. Double value API

```
@RequestMapping("/doubleapi")
public double doubleAPI7()
{
    double value=10.50;
    return value;
}
```

Output:-

10.50