



BSEM

Title	:	Exercise 2
Due Date	:	9 th May
Lecturer	:	Mr Maher

Name : Maruful Islam

Student ID: : 110053917

Semester : 5th

Academic Honesty Policy Statement

I, hereby attest that contents of this attachment are my own work. Referenced works, articles, art, programs, papers or parts thereof are acknowledged at the end of this paper. This includes data excerpted from CD-ROMs, the Internet, other private networks, and other people's disk of the computer system.

Student's Signature : _____

LECTURER'S COMMENTS/GRADE:	<i>for office use only</i> DATE : _____ TIME : _____ RECEIVER'S NAME : _____
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Source Codes in Java PL:

```
//Maruf Islam
// ID: 10053917
// Program: BSEM

//importing hashmap libery
import java.util.HashMap;

public class hashTable{
    public static void main(String[] args)
    {
        System.out.println("\nA simple Hash datastructure program in Java language
        ... \n");

        HashMap<String, Integer> myHash = new HashMap<String, Integer>() ;

        myHash.put("ID",110053917);
        myHash.put("Favorite_Number",123);
        myHash.put("Date",509);

        //displaying all data
        System.out.println(myHash);
        System.out.println();
        System.out.println("Getting values using 'get()' methods \n");

        System.out.println("Getting ID");
        System.out.println(myHash.get("ID")+"\n");

        System.out.println("Getting Favorite number");
        System.out.println(myHash.get("Favorite_Number")+"\n");

        System.out.println("Getting Date");
        System.out.println(myHash.get("Date")+"\n");
    }
}
```

Output of the Program:

Command Prompt

```
C:\Users\user\Desktop\java_datastructure>java hashTable
```

```
A simple Hash datastructure program in Java language...
```

```
{ID=110053917, Favorite_Number=123, Date=509}
```

```
110053917
```

```
C:\Users\user\Desktop\java_datastructure>javac hashTable.java
```

```
C:\Users\user\Desktop\java_datastructure>java hashTable
```

```
A simple Hash datastructure program in Java language...
```

```
{ID=110053917, Favorite_Number=123, Date=509}
```

```
Getting values using 'get()' methods
```

```
Getting ID
```

```
110053917
```

```
Getting Favorite number
```

```
123
```

```
Getting Date
```

```
509
```