**Module-5**

**Assignment-3**

**Code:**

**hash\_map class:**

package Module\_5;

import java.io.\*;

import java.util.\*;

import java.util.Map.Entry;

public class hash\_map {

String key;

int value;

hash\_map(){

key=" ";

value=0;

}

void input\_and\_display()throws IOException{

InputStreamReader isr=new InputStreamReader(System.in);

BufferedReader br=new BufferedReader(isr);

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

int i;

System.out.println("Enter the number of key and value pairs you want to enter: ");

int n=Integer.parseInt(br.readLine());

System.out.println("Enter the key value pairs: ");

for(i=0;i<n;i++) {

key=br.readLine();

value=Integer.parseInt(br.readLine());

hashmap.put(key, value);

}

Iterator<Entry<String, Integer>> iterator=hashmap.entrySet().iterator();

while(iterator.hasNext()) {

Map.Entry<String, Integer> entry= (Map.Entry<String, Integer>) iterator.next();

System.out.print(entry.getKey()+" : ");

System.out.println(entry.getValue());

}

}

}

**hash\_map\_main class:**

package Module\_5;

import java.io.\*;

public class hash\_map\_main {

public static void main(String args[])throws IOException{

InputStreamReader isr=new InputStreamReader(System.in);

BufferedReader br=new BufferedReader(isr);

hash\_map ob=new hash\_map();

ob.input\_and\_display();

}

}

**Output:**

Enter the number of key and value pairs you want to enter:

5

Enter the key value pairs:

Arnab

95

Sayan

80

Kinjal

100

Agniva

99

Ritam

89

Kinjal : 100

Agniva : 99

Arnab : 95

Sayan : 80

Ritam : 89