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();
```

```java
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:

```java
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