**Aim: Write a Java program using Map interface containing list of items having keys and associated values and perform the following operations:**

**a. Add items in the map.**

**b. Remove items from the map**

**c. Search specific key from the map**

**d. Get value of the specified key**

**e. Insert map elements of one map in to other map.**

**f. Print all keys and values of the map.**

**Code –**

**package** Interface\_program;

**import** java.util.\*;

**public** **class** map\_interface {

**public** **static** **void** main(String[] args) {

Map<Integer, String> mapHttpErrors = **new** HashMap<>();

//Add items in the map.

mapHttpErrors.put(400,"Bad Request");

mapHttpErrors.put(304,"Not Modified");

mapHttpErrors.put(200, "OK");

mapHttpErrors.put(301, "Moved Permanently");

mapHttpErrors.put(500, "Internal Server Error");

System.***out***.println("The items in the MAP are: "+mapHttpErrors);

System.***out***.println();

//Remove items from the map

String removedValue = mapHttpErrors.remove(500);

**if** (removedValue != **null**)

System.***out***.println("Removed value is : " + removedValue);

System.***out***.println("The items in the MAP after remove are: "+mapHttpErrors);

System.***out***.println();

//Search specific key from the map

**if** (mapHttpErrors.containsKey(400)) {

//Get value of the specified key

String abc=mapHttpErrors.get(400);

System.***out***.println("Found status : "+abc);

System.***out***.println();

}

Map<Integer, String> mapErrors = **new** HashMap<>();

mapErrors.put(600, "Error1");

mapErrors.put(804, "compiler Error");

mapErrors.put(900, "Exception");

mapErrors.put(101, "Run time Error");

mapErrors.put(950, "memory Error");

//Insert map elements of one map in to other map.

mapHttpErrors.putAll(mapErrors);

System.***out***.println("The items in the MAP are:"+mapHttpErrors);

}

}