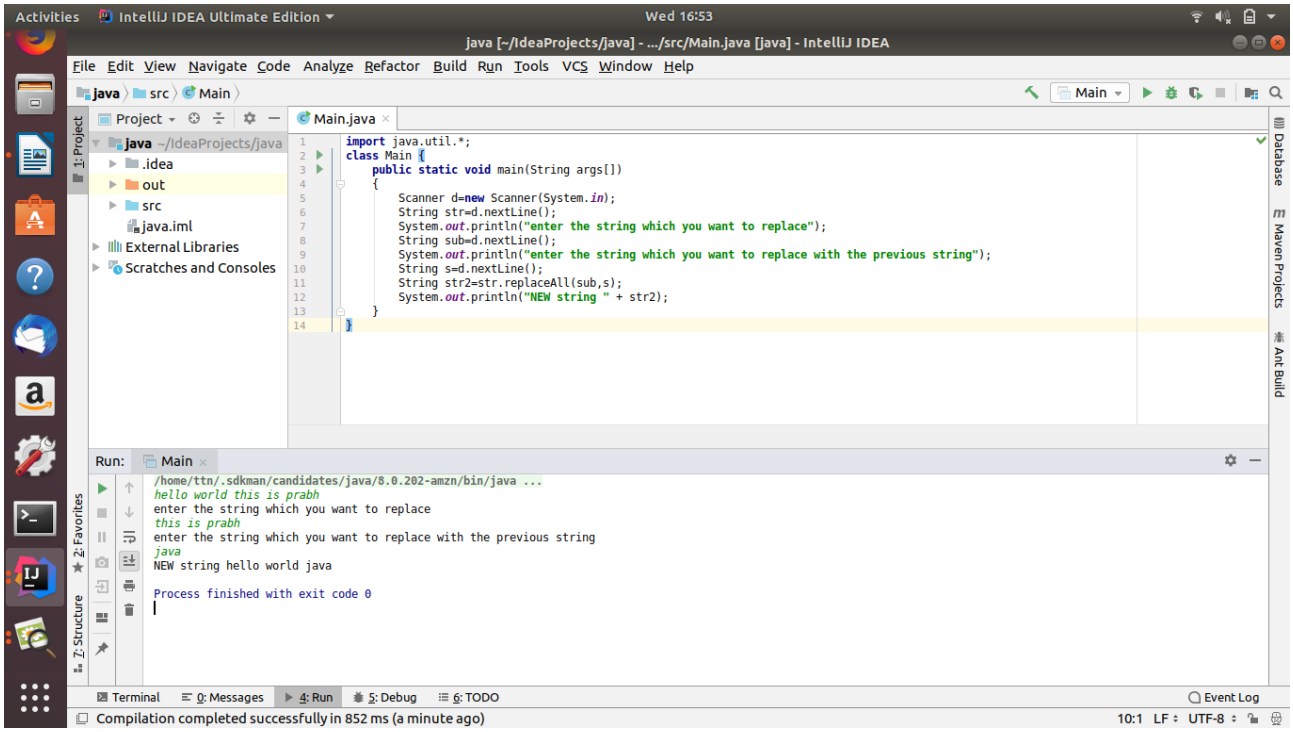
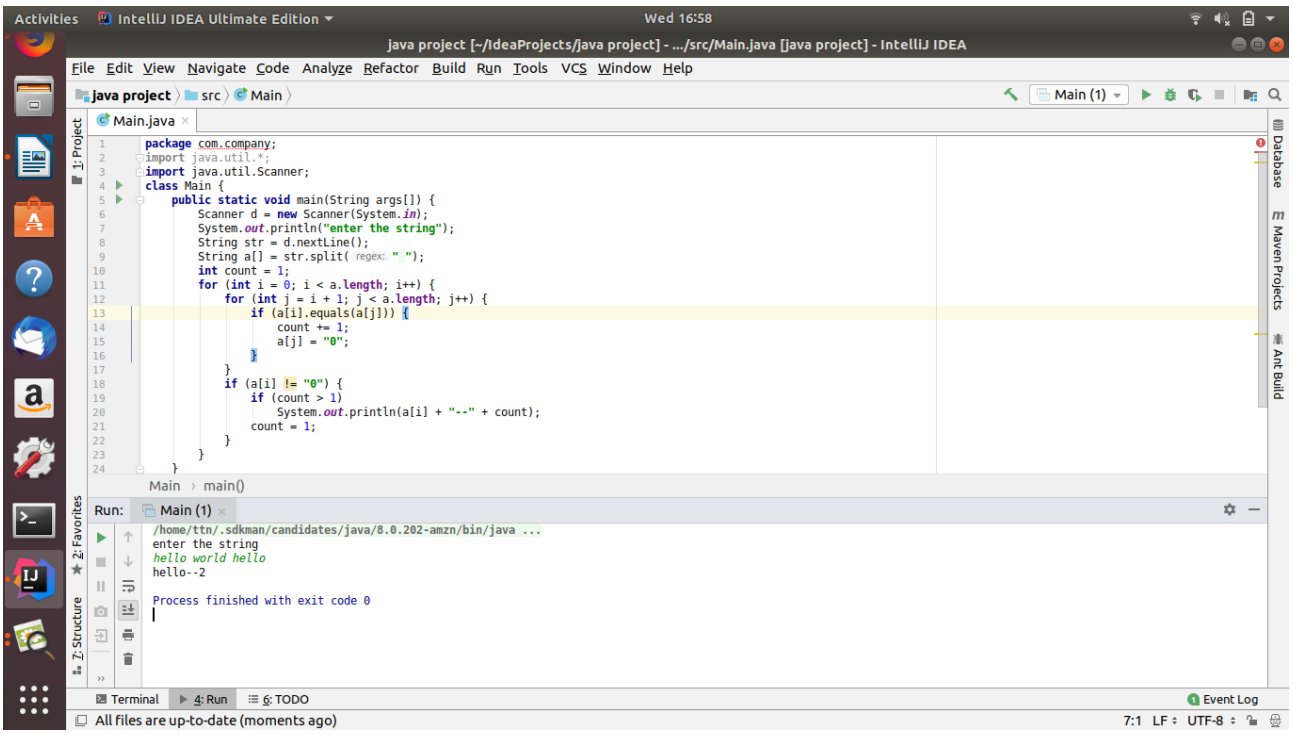
Ans 1


Activities
IntelliJ IDEA Ultimate Edition
Wed 16:53
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java > src > Main
Main
Project
Main.java
java ~/IdeaProjects/java
.idea
out
src
java.iml
External Libraries
Scratches and Consoles
import java.util.*;
class Main {
public static void main(String args[])
{
Scanner d=new Scanner(System.in);
String str=d.nextLine();
System.out.println("enter the string which you want to replace");
String sub=d.nextLine();
System.out.println("enter the string which you want to replace with the previous string");
String s=d.nextLine();
String str2=str.replaceAll(sub,s);
System.out.println("NEW string " + str2);
}
}
Run:
Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
hello world this is prabh
enter the string which you want to replace
this is prabh
enter the string which you want to replace with the previous string
java
NEW string hello world java
Process finished with exit code 0
Terminal
0: Messages
4: Run
5: Debug
6: TODO
Event Log
Compilation completed successfully in 852 ms (a minute ago)
10:1
LF
UTF-8

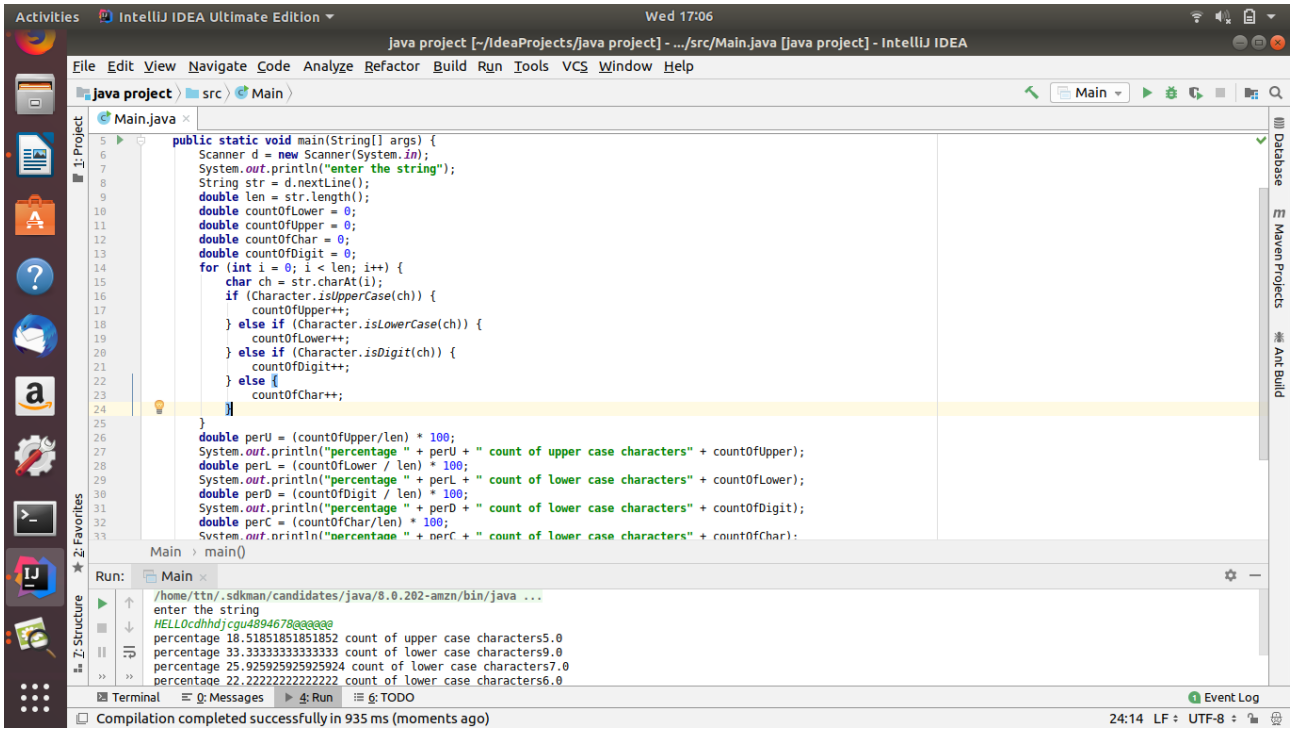
Ans 2


Activities
IntelliJ IDEA Ultimate Edition
Wed 16:58
java project [~/IdeaProjects/java project] - .../src/Main.java [java project] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java project > src > Main
Main (1)
Main.java
package com.company;
import java.util.*;
import java.util.Scanner;
class Main {
public static void main(String args[]) {
Scanner d = new Scanner(System.in);
System.out.println("enter the string");
String str = d.nextLine();
String a[] = str.split(regex: " ");
int count = 1;
for (int i = 0; i < a.length; i++) {
for (int j = i + 1; j < a.length; j++) {
if (a[i].equals(a[j])) {
count += 1;
a[j] = "0";
}
}
if (a[i] != "0") {
if (count > 1)
System.out.println(a[i] + "--" + count);
count = 1;
}
}
}
Main > main()
Run:
Main (1)
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
enter the string
hello world hello
hello--2
Process finished with exit code 0
Terminal
4: Run
6: TODO
Event Log
All files are up-to-date (moments ago)
7:1
LF
UTF-8

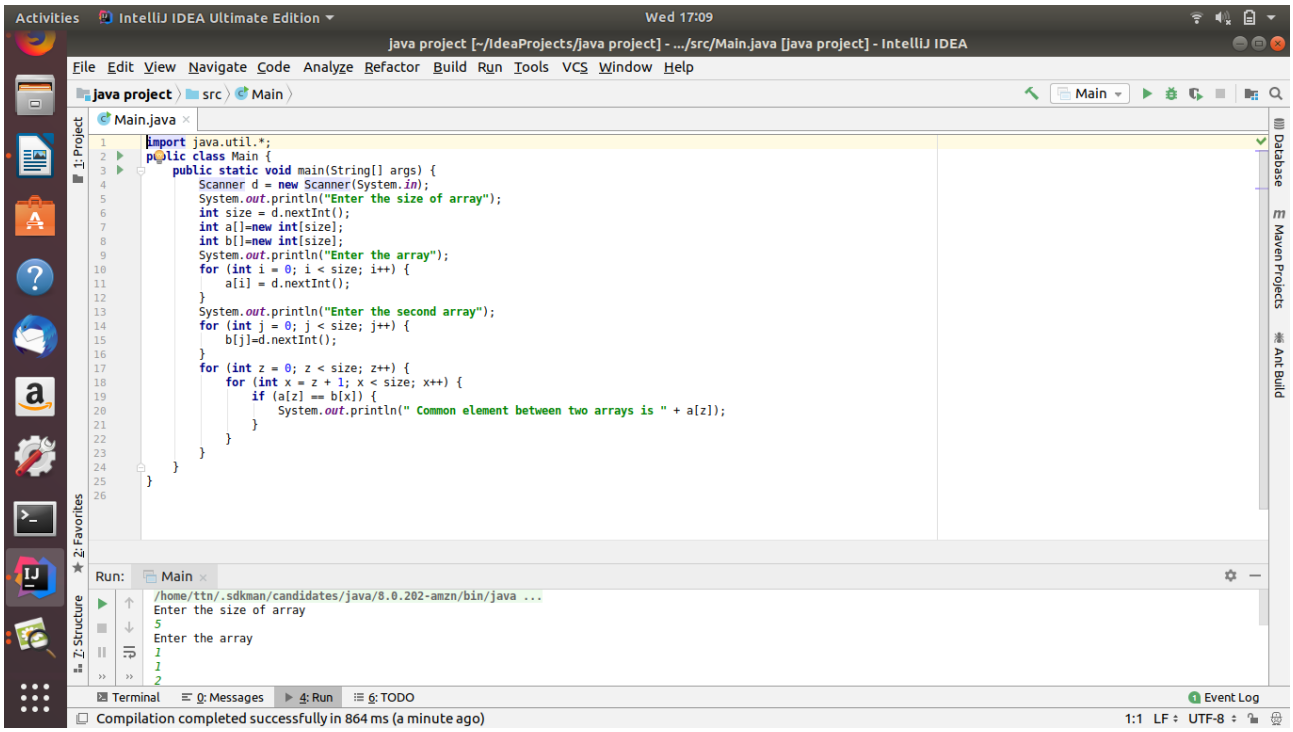
Ans 3

```java
package main;
public class TestMain
{

    public static void main(String[] args)
    {
            String str = "This is an Example Of The Character";

            int charcount = str.length() - str.replaceAll( regex: "a",  replacement: "").length();

            System.out.println("Occurrence Of a  In String: " + charcount);
    }

}
```

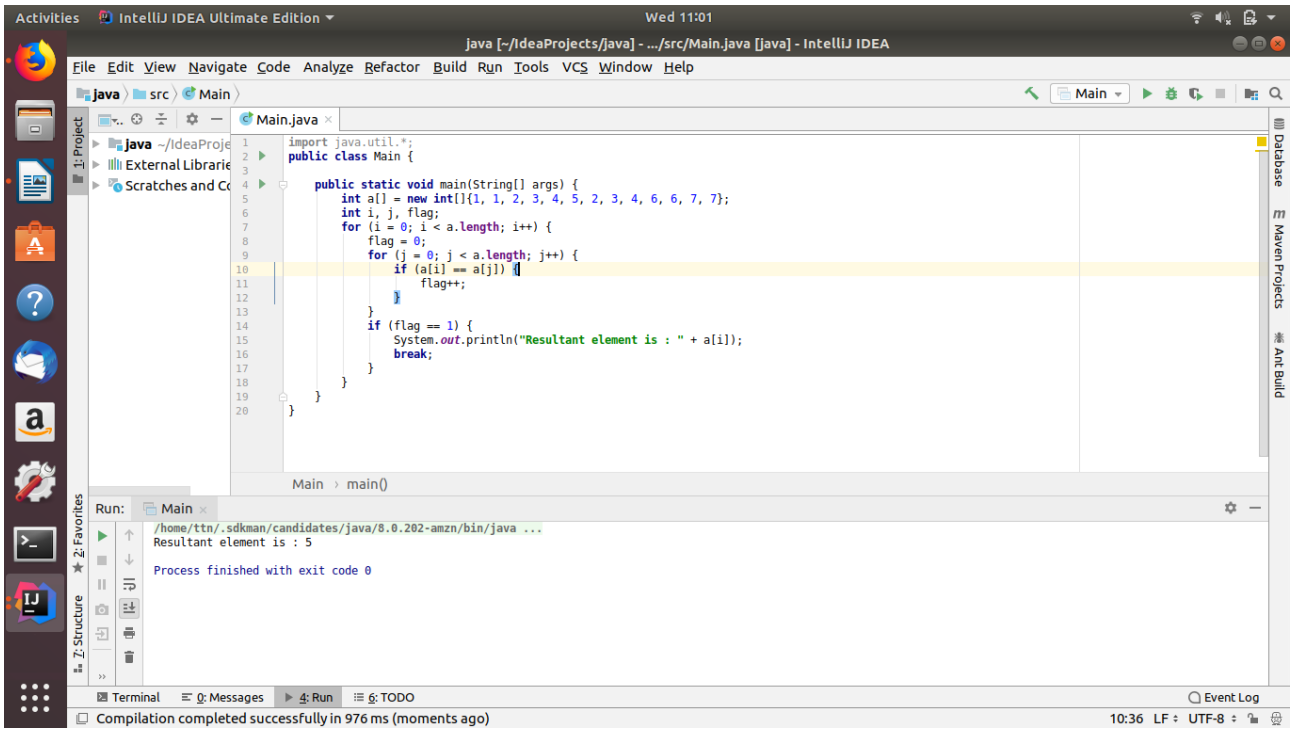
Ans 4



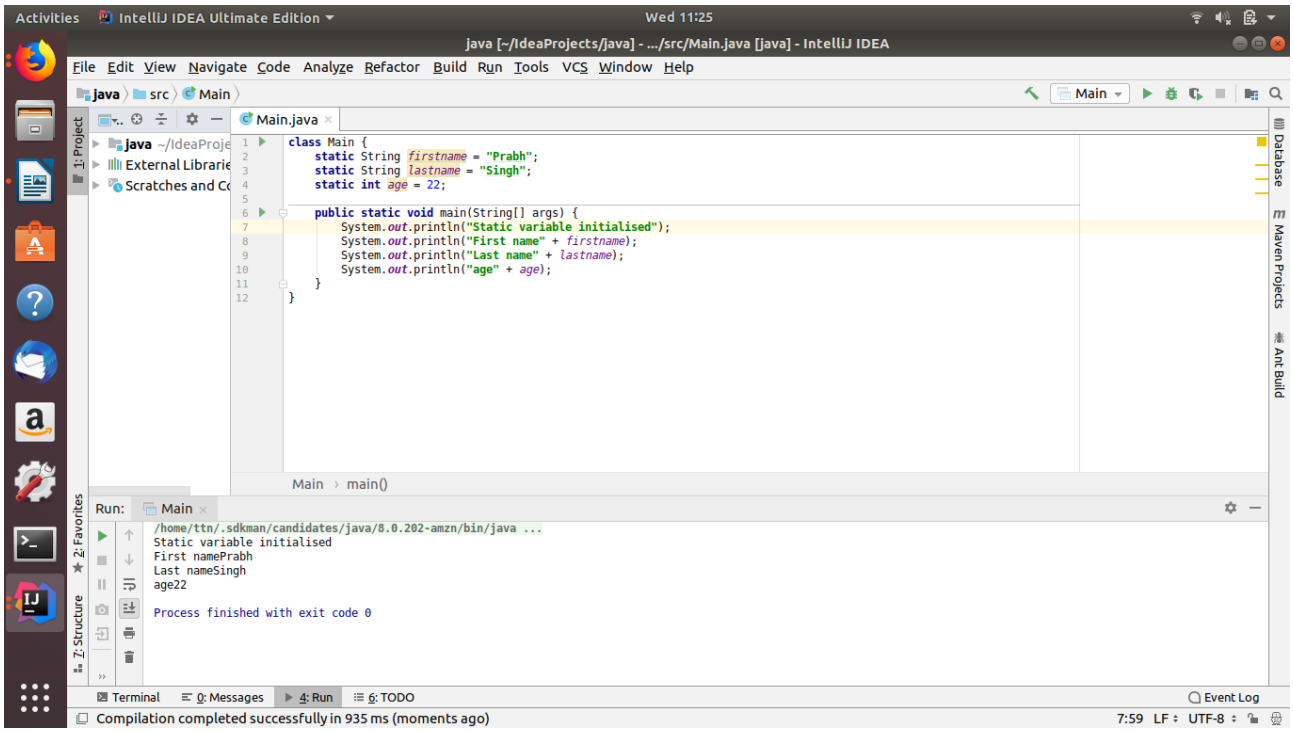
Ans 5

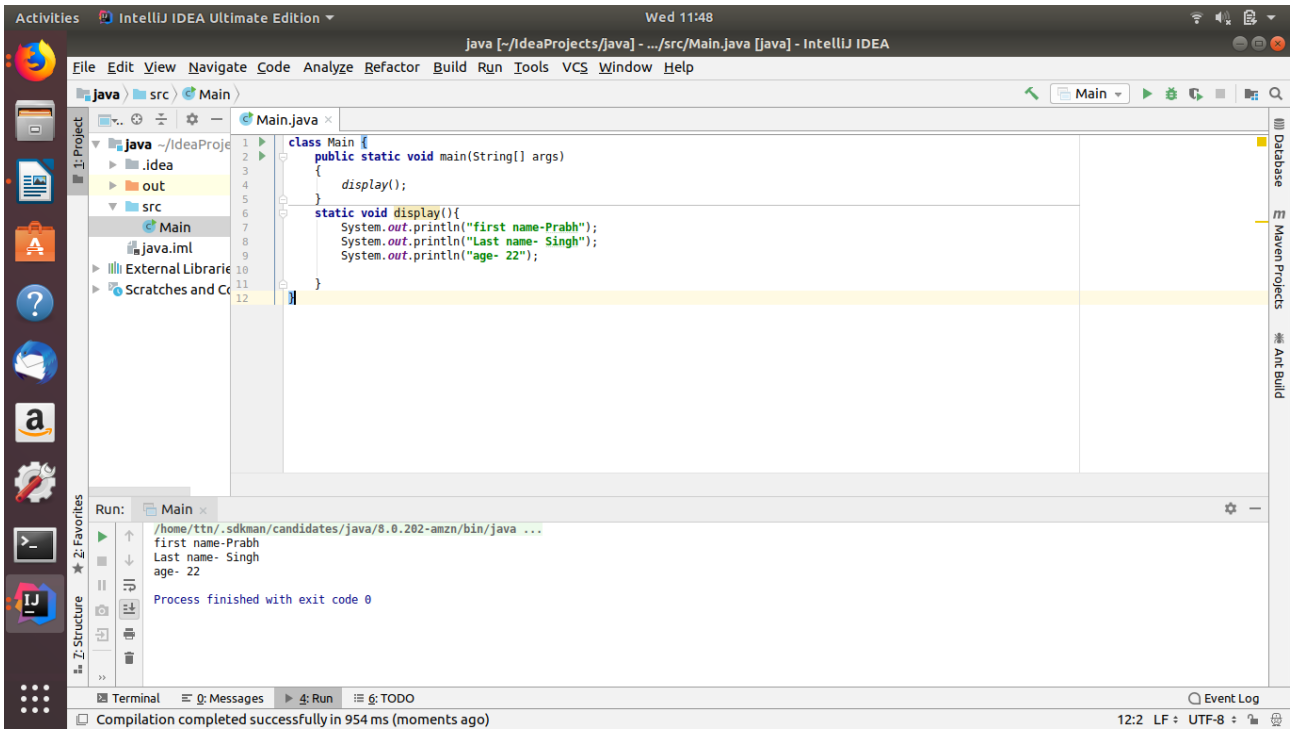

Activities
IntelliJ IDEA Ultimate Edition
Wed 17:09
java project [~/IdeaProjects/java project] - .../src/Main.java [java project] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java project src Main
Main.java
import java.util.*;
public class Main {
public static void main(String[] args) {
Scanner d = new Scanner(System.in);
System.out.println("Enter the size of array");
int size = d.nextInt();
int a[]=new int[size];
int b[]=new int[size];
System.out.println("Enter the array");
for (int i = 0; i < size; i++) {
a[i] = d.nextInt();
}
System.out.println("Enter the second array");
for (int j = 0; j < size; j++) {
b[j]=d.nextInt();
}
for (int z = 0; z < size; z++) {
for (int x = z + 1; x < size; x++) {
if (a[z] == b[x]) {
System.out.println(" Common element between two arrays is " + a[z]);
}
}
}
}
}
Run: Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
Enter the size of array
5
Enter the array
1
1
2
Terminal 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 864 ms (a minute ago)
1:1 LF UTF-8

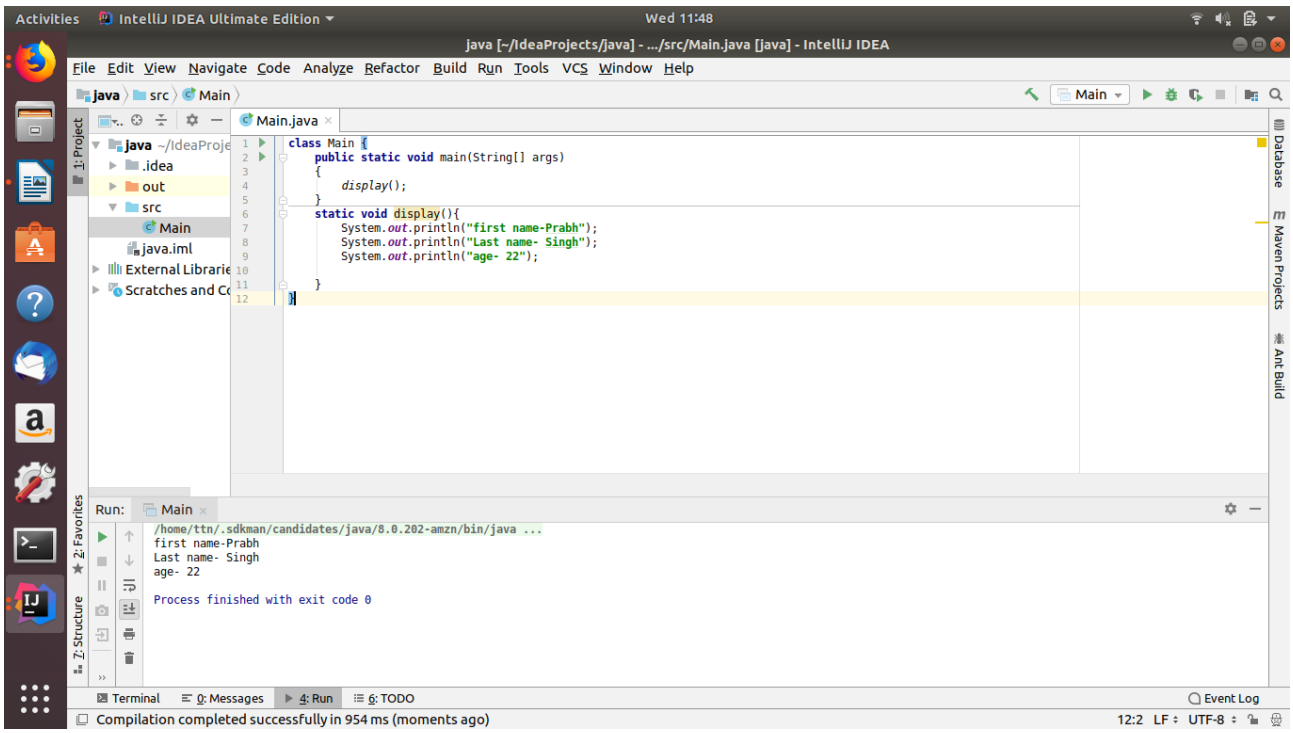
Ans 6


Activities
IntelliJ IDEA Ultimate Edition
Wed 11:01
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java src Main
Main.java
import java.util.*;
public class Main {
public static void main(String[] args) {
int a[] = new int[]{1, 1, 2, 3, 4, 5, 2, 3, 4, 6, 6, 7, 7};
int i, j, flag;
for (i = 0; i < a.length; i++) {
flag = 0;
for (j = 0; j < a.length; j++) {
if (a[i] == a[j]) {
flag++;
}
}
if (flag == 1) {
System.out.println("Resultant element is : " + a[i]);
break;
}
}
}
}
Main main()
Run: Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
Resultant element is : 5
Process finished with exit code 0
Terminal 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 976 ms (moments ago)
10:36 LF UTF-8

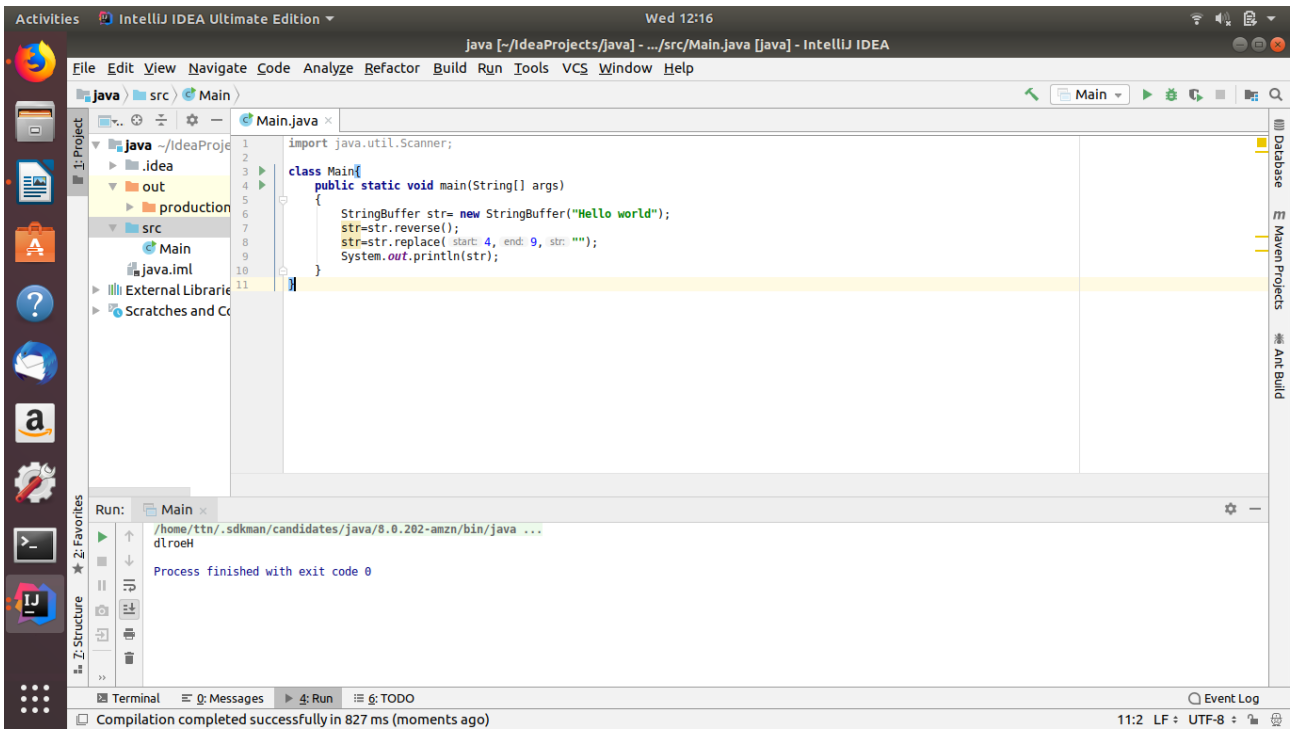
Ans 7


Activities
IntelliJ IDEA Ultimate Edition
Wed 11:25
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java src Main
Main.java
class Main {
static String firstname = "Prabh";
static String lastname = "Singh";
static int age = 22;
public static void main(String[] args) {
System.out.println("Static variable initialised");
System.out.println("First name" + firstname);
System.out.println("Last name" + lastname);
System.out.println("age" + age);
}
}
Main › main()
Run: Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
Static variable initialised
First namePrabh
Last nameSingh
age22
Process finished with exit code 0
Terminal 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 935 ms (moments ago)
7:59 LF UTF-8

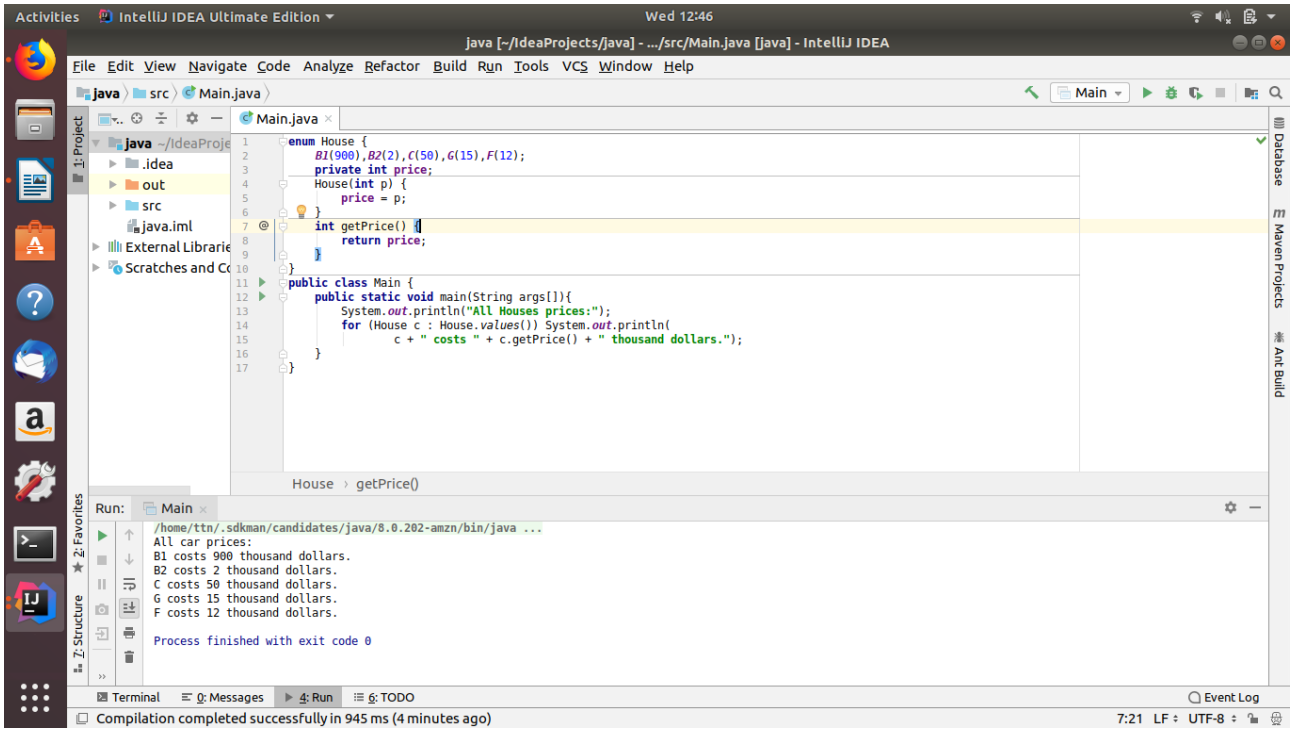

Activities
IntelliJ IDEA Ultimate Edition
Wed 11:48
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java src Main
Main.java
class Main {
public static void main(String[] args)
{
display();
}
static void display(){
System.out.println("first name-Prabh");
System.out.println("Last name- Singh");
System.out.println("age- 22");
}
}
java ~/IdeaProje
.idea
out
src
Main
java.iml
External Librarie
Scratches and Co
Run: Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
first name-Prabh
Last name- Singh
age- 22
Process finished with exit code 0
Terminal 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 954 ms (moments ago)
12:2 LF UTF-8


Activities
IntelliJ IDEA Ultimate Edition
Wed 11:48
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Main.java
class Main {
public static void main(String[] args)
{
display();
}
static void display(){
System.out.println("first name-Prabh");
System.out.println("Last name- Singh");
System.out.println("age- 22");
}
}
Run: Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
first name-Prabh
Last name- Singh
age- 22
Process finished with exit code 0
Terminal 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 954 ms (moments ago)
12:2 LF UTF-8

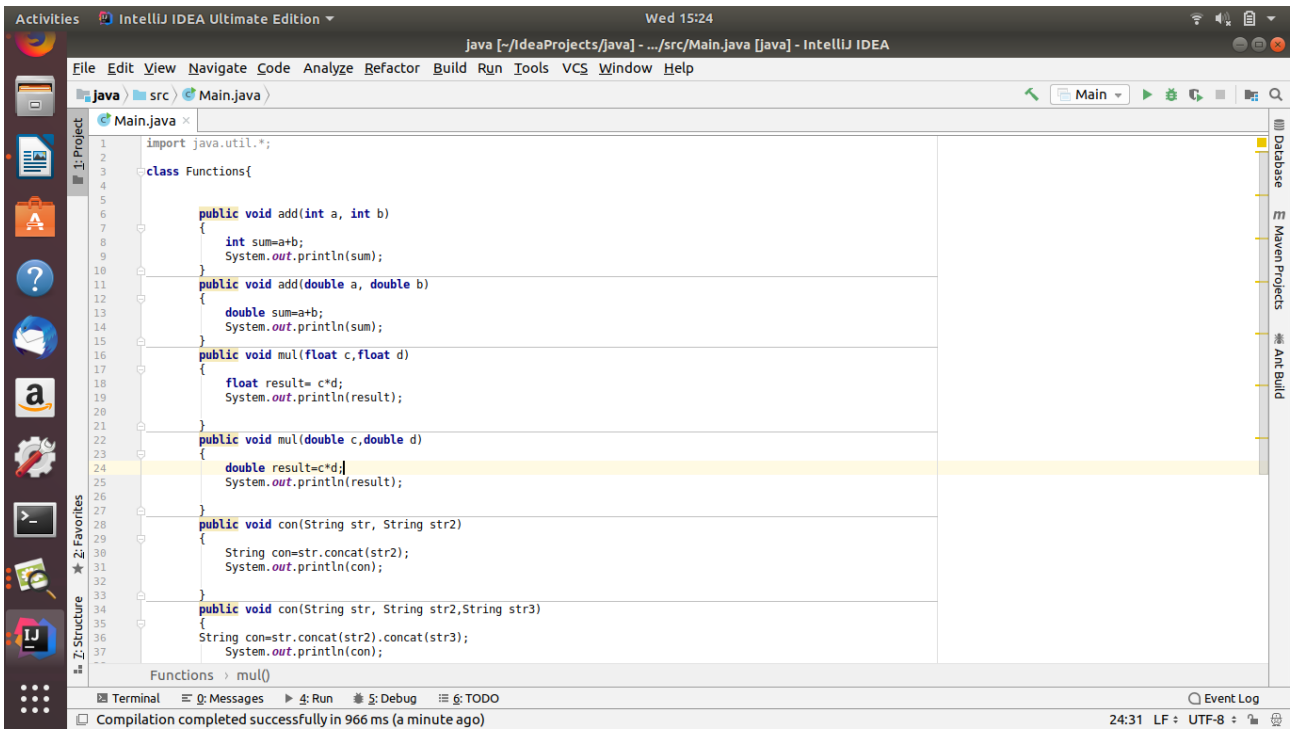
Ans 8

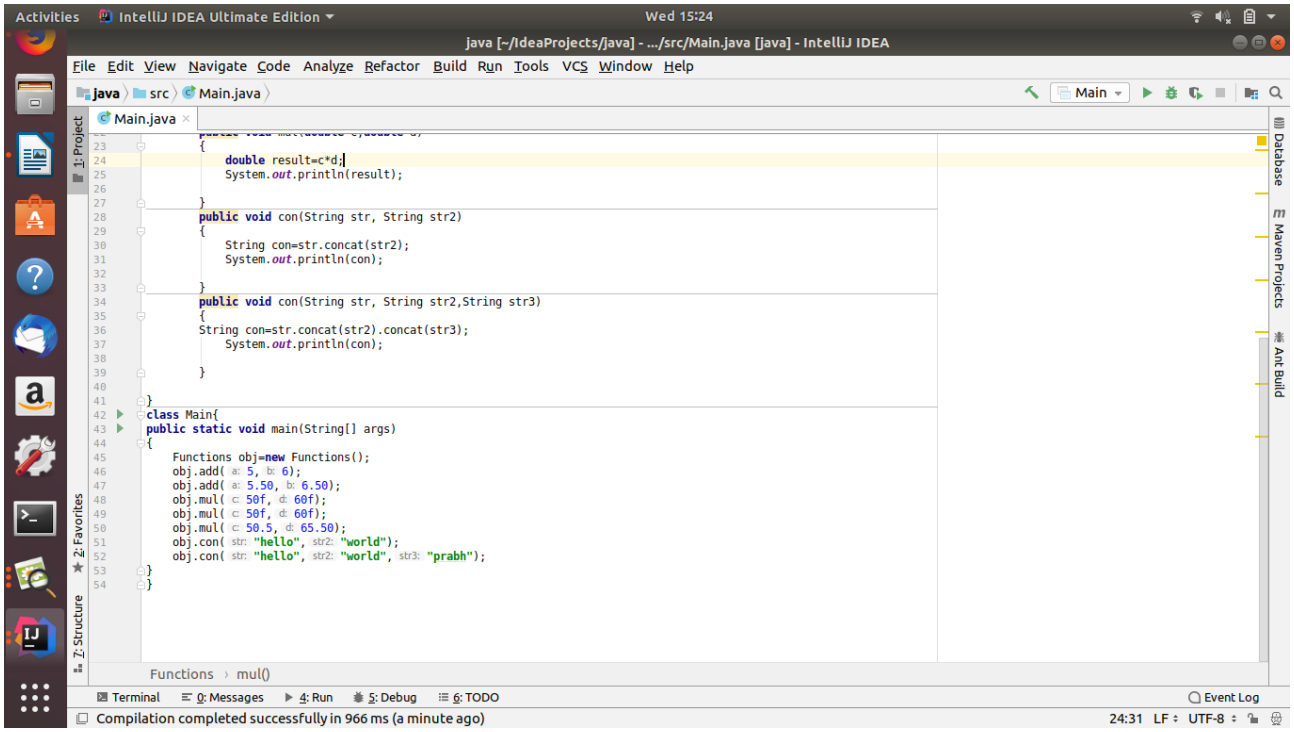

Activities
IntelliJ IDEA Ultimate Edition
Wed 12:16
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Main.java
import java.util.Scanner;
class Main{
public static void main(String[] args)
{
StringBuffer str= new StringBuffer("Hello world");
str=str.reverse();
str=str.replace(start: 4, end: 9, str: "");
System.out.println(str);
}
}
Run: Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
dlroeH
Process finished with exit code 0
Terminal 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 827 ms (moments ago)
11:2 LF UTF-8

Ans 9

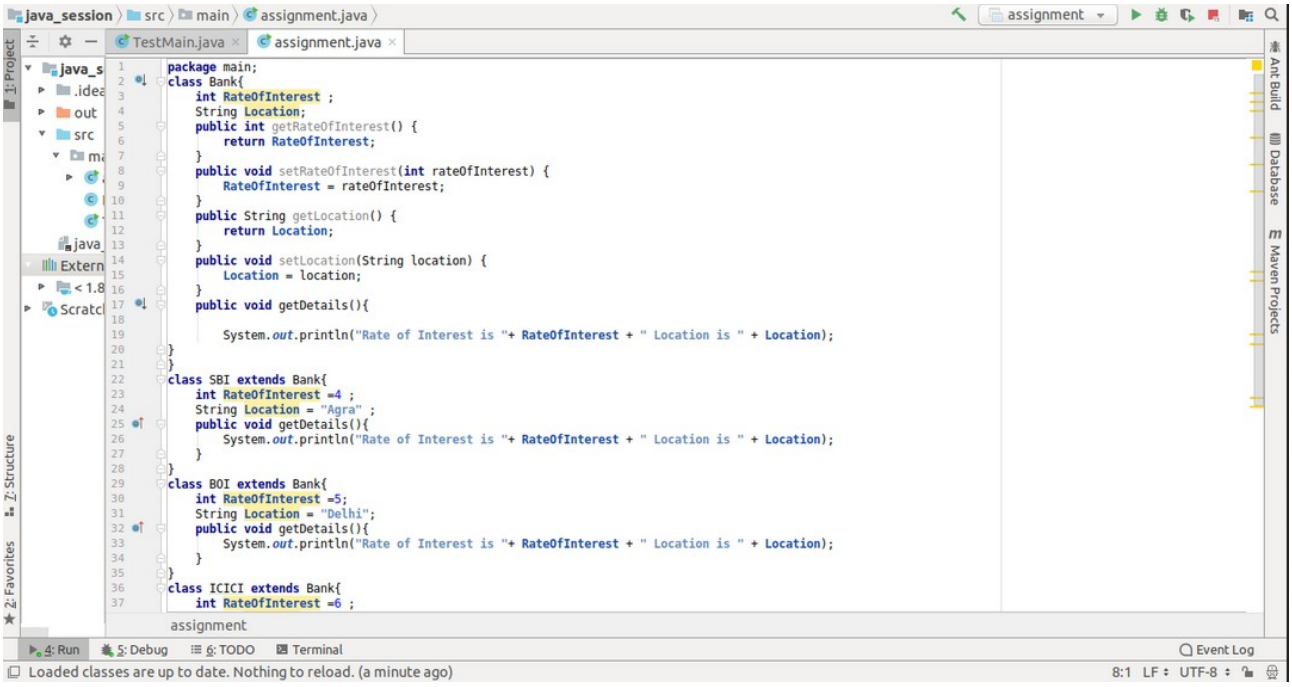

Activities
IntelliJ IDEA Ultimate Edition
Wed 12:46
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java src Main.java
Main
Main.java
java ~/IdeaProje
.idea
out
src
java.iml
External Librarie
Scratches and Co
enum House {
B1(900),B2(2),C(50),G(15),F(12);
private int price;
House(int p) {
price = p;
}
int getPrice() {
return price;
}
}
public class Main {
public static void main(String args[]){
System.out.println("All Houses prices:");
for (House c : House.values()) System.out.println(
c + " costs " + c.getPrice() + " thousand dollars.");
}
}
House › getPrice()
Run: Main
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
All car prices:
B1 costs 900 thousand dollars.
B2 costs 2 thousand dollars.
C costs 50 thousand dollars.
G costs 15 thousand dollars.
F costs 12 thousand dollars.
Process finished with exit code 0
Terminal 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 945 ms (4 minutes ago)
7:21 LF UTF-8

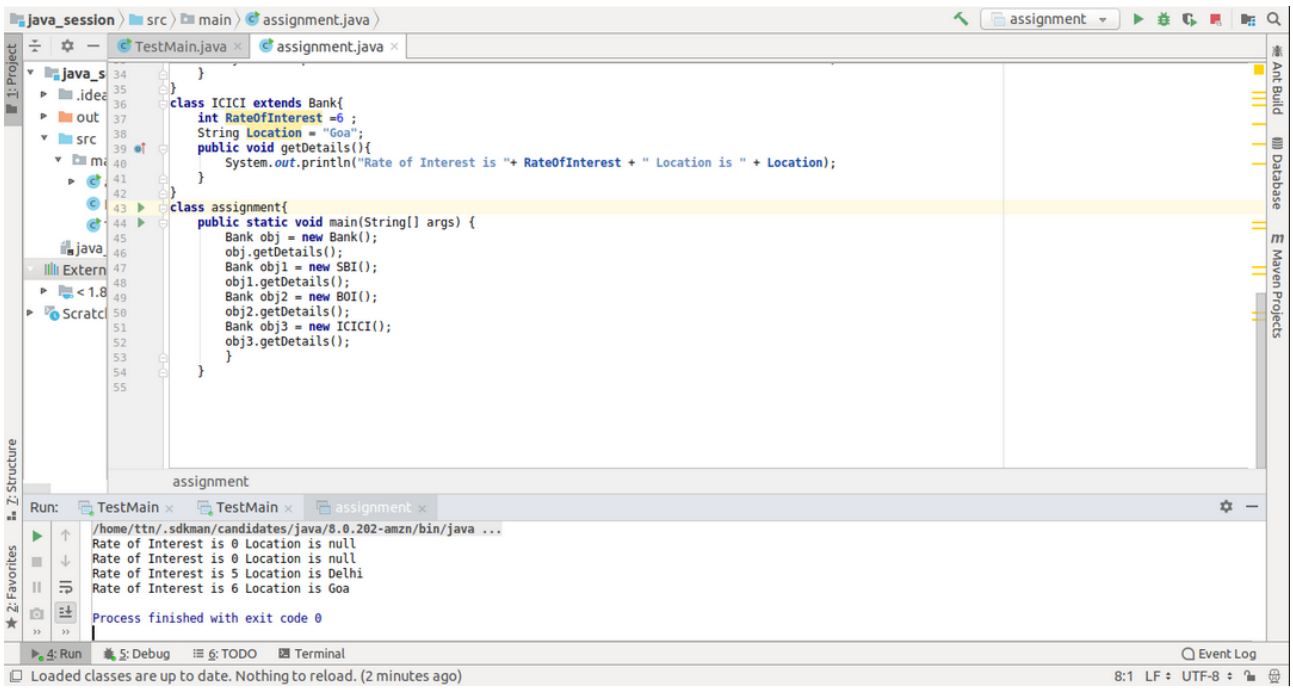
Ans 10


Activities
IntelliJ IDEA Ultimate Edition
Wed 15:24
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java src Main.java
Main
Main.java
import java.util.*;
class Functions{
public void add(int a, int b)
{
int sum=a+b;
System.out.println(sum);
}
public void add(double a, double b)
{
double sum=a+b;
System.out.println(sum);
}
public void mul(float c,float d)
{
float result= c*d;
System.out.println(result);
}
public void mul(double c,double d)
{
double result=c*d;
System.out.println(result);
}
public void con(String str, String str2)
{
String con=str.concat(str2);
System.out.println(con);
}
public void con(String str, String str2,String str3)
{
String con=str.concat(str2).concat(str3);
System.out.println(con);
Functions › mul()
Terminal 0: Messages 4: Run 5: Debug 6: TODO Event Log
Compilation completed successfully in 966 ms (a minute ago)
24:31 LF UTF-8


Activities
IntelliJ IDEA Ultimate Edition
Wed 15:24
java [~/IdeaProjects/java] - .../src/Main.java [java] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java src Main.java
Main
Main.java
{
double result=c*d;
System.out.println(result);
}
public void con(String str, String str2)
{
String con=str.concat(str2);
System.out.println(con);
}
public void con(String str, String str2,String str3)
{
String con=str.concat(str2).concat(str3);
System.out.println(con);
}
}
class Main{
public static void main(String[] args)
{
Functions obj=new Functions();
obj.add(a: 5, b: 6);
obj.add(a: 5.50, b: 6.50);
obj.mul(c: 50f, d: 60f);
obj.mul(c: 50f, d: 60f);
obj.mul(c: 50.5, d: 65.50);
obj.con(str: "hello", str2: "world");
obj.con(str: "hello", str2: "world", str3: "prabh");
}
}
Functions mul()
Terminal 0: Messages 4: Run 5: Debug 6: TODO Event Log
Compilation completed successfully in 966 ms (a minute ago)
24:31 LF UTF-8
1: Project
2: Favorites
7: Structure
Database
Maven Projects
Ant Build

Ans 11


java_session src main assignment.java
assignment
TestMain.java
assignment.java
package main;
class Bank{
int RateOfInterest ;
String Location;
public int getRateOfInterest() {
return RateOfInterest;
}
public void setRateOfInterest(int rateOfInterest) {
RateOfInterest = rateOfInterest;
}
public String getLocation() {
return Location;
}
public void setLocation(String location) {
Location = location;
}
public void getDetails(){
System.out.println("Rate of Interest is "+ RateOfInterest + " Location is " + Location);
}
}
class SBI extends Bank{
int RateOfInterest =4 ;
String Location = "Agra" ;
public void getDetails(){
System.out.println("Rate of Interest is "+ RateOfInterest + " Location is " + Location);
}
}
class BOI extends Bank{
int RateOfInterest =5;
String Location = "Delhi";
public void getDetails(){
System.out.println("Rate of Interest is "+ RateOfInterest + " Location is " + Location);
}
}
class ICICI extends Bank{
int RateOfInterest =6 ;
assignment
4: Run 5: Debug 6: TODO Terminal Event Log
Loaded classes are up to date. Nothing to reload. (a minute ago)
8:1 LF UTF-8
1: Project
2: Favorites
7: Structure
Ant Build
Database
Maven Projects


java_session
src
main
assignment.java
assignment
TestMain.java
assignment.java
}
}
class ICICI extends Bank{
int RateOfInterest =6 ;
String Location = "Goa";
public void getDetails(){
System.out.println("Rate of Interest is "+ RateOfInterest + " Location is " + Location);
}
}
class assignment{
public static void main(String[] args) {
Bank obj = new Bank();
obj.getDetails();
Bank obj1 = new SBI();
obj1.getDetails();
Bank obj2 = new BOI();
obj2.getDetails();
Bank obj3 = new ICICI();
obj3.getDetails();
}
}
assignment
Run:
TestMain
TestMain
assignment
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
Rate of Interest is 0 Location is null
Rate of Interest is 0 Location is null
Rate of Interest is 5 Location is Delhi
Rate of Interest is 6 Location is Goa
Process finished with exit code 0
4: Run
5: Debug
6: TODO
Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (2 minutes ago)
8:1
LF
UTF-8