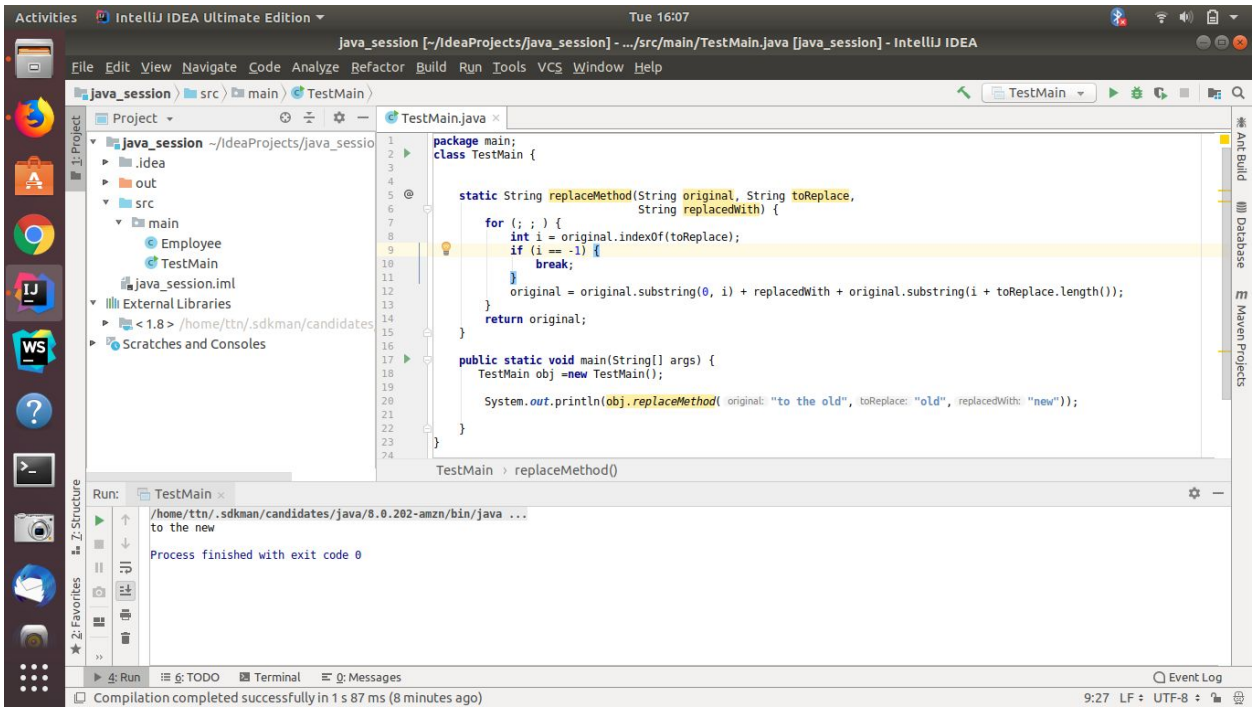
Vidit Gupta

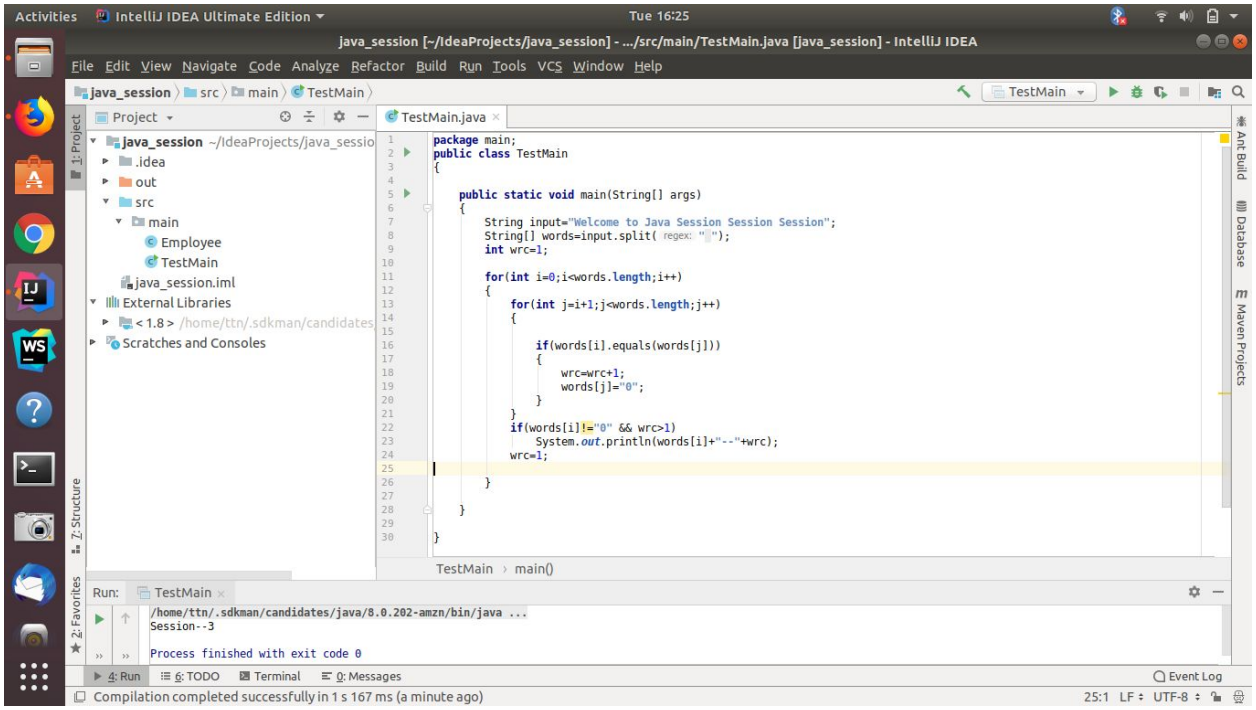
Group - 5

Introduction To Java1

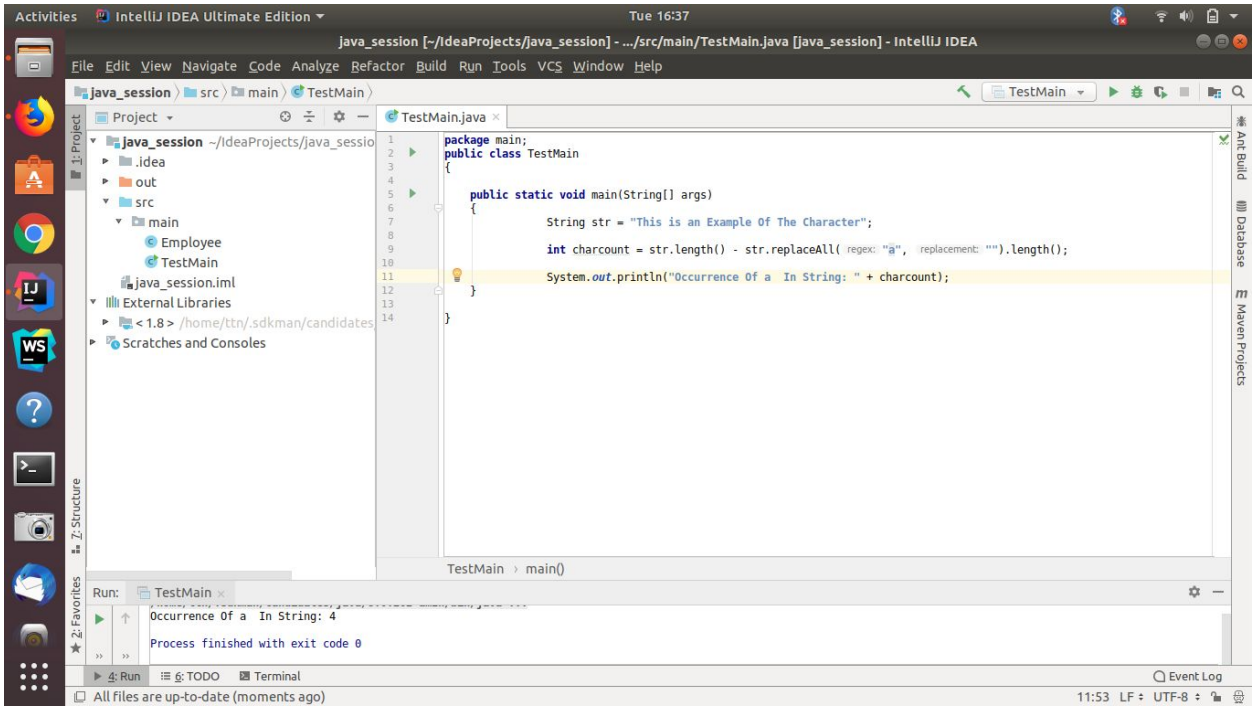
1 -



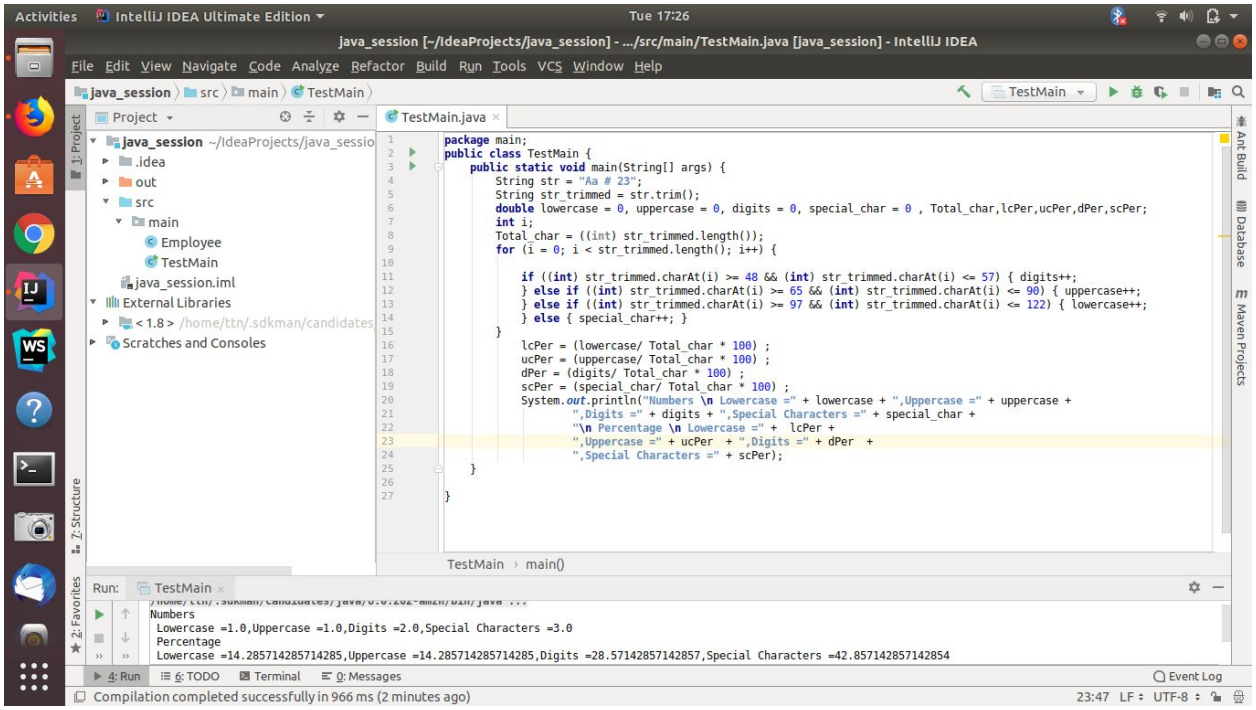
2 -


Activities
IntelliJ IDEA Ultimate Edition
Tue 16:25
java_session [~/IdeaProjects/java_session] - .../src/main/TestMain.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain
TestMain
Project
java_session ~/IdeaProjects/java_sessio
.idea
out
src
main
Employee
TestMain
java_session.iml
External Libraries
< 1.8 > /home/ttn/.sdkman/candidates
Scratches and Consoles
TestMain.java
package main;
public class TestMain
{
public static void main(String[] args)
{
String input="Welcome to Java Session Session Session";
String[] words=input.split(regex: " ");
int wrc=1;
for(int i=0;i<words.length;i++)
{
for(int j=i+1;j<words.length;j++)
{
if(words[i].equals(words[j]))
{
wrc=wrc+1;
words[j]="0";
}
}
if(words[i]!="0" && wrc>1)
System.out.println(words[i]+"--"+wrc);
wrc=1;
}
}
}
TestMain › main()
Run:
TestMain
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
Session--3
Process finished with exit code 0
4: Run
6: TODO
Terminal
0: Messages
Event Log
Compilation completed successfully in 1 s 167 ms (a minute ago)
25:1 LF UTF-8
1: Project
2: Favorites
7: Structure
Ant Build
Database
Maven Projects

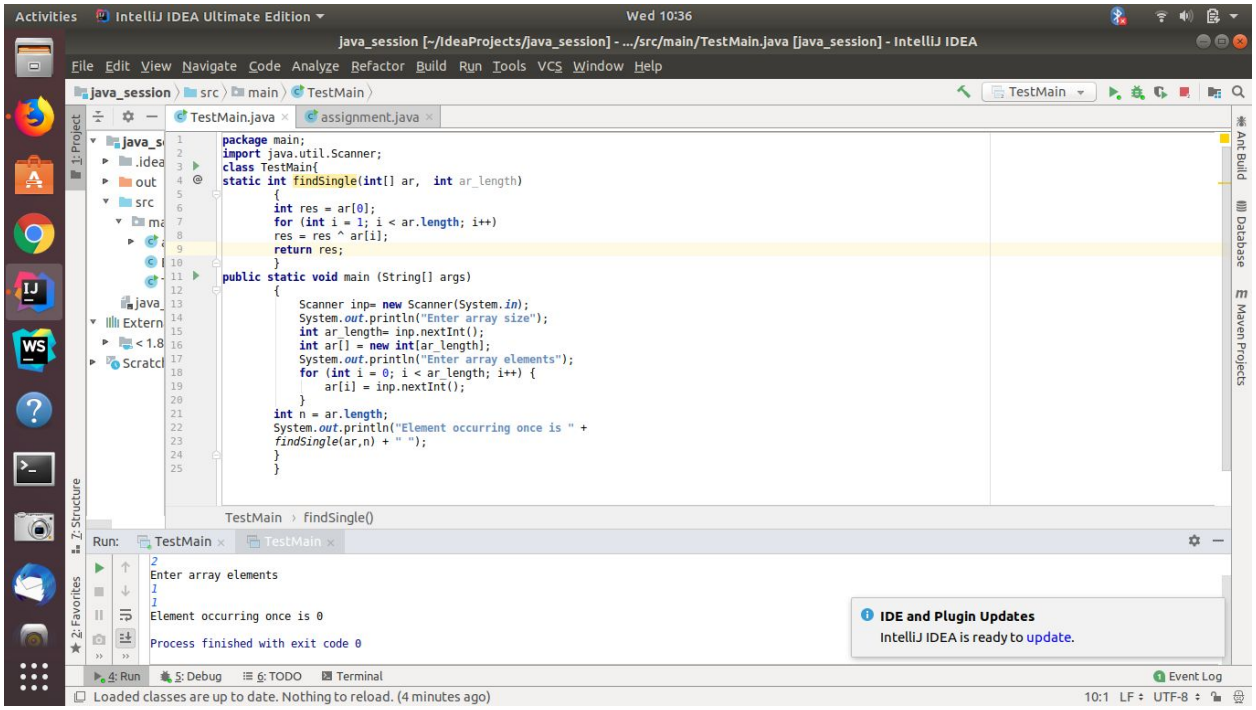
3 -


Activities
IntelliJ IDEA Ultimate Edition
Tue 16:37
java_session [~/IdeaProjects/java_session] - .../src/main/TestMain.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain
TestMain
Project
java_session ~/IdeaProjects/java_sessio
.idea
out
src
main
Employee
TestMain
java_session.iml
External Libraries
< 1.8 > /home/ttn/.sdkman/candidates
Scratches and Consoles
TestMain.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);
}
}
TestMain › main()
Run:
TestMain
Occurrence Of a In String: 4
Process finished with exit code 0
4: Run
6: TODO
Terminal
Event Log
All files are up-to-date (moments ago)
11:53 LF UTF-8
1: Project
2: Favorites
7: Structure
Ant Build
Database
Maven Projects

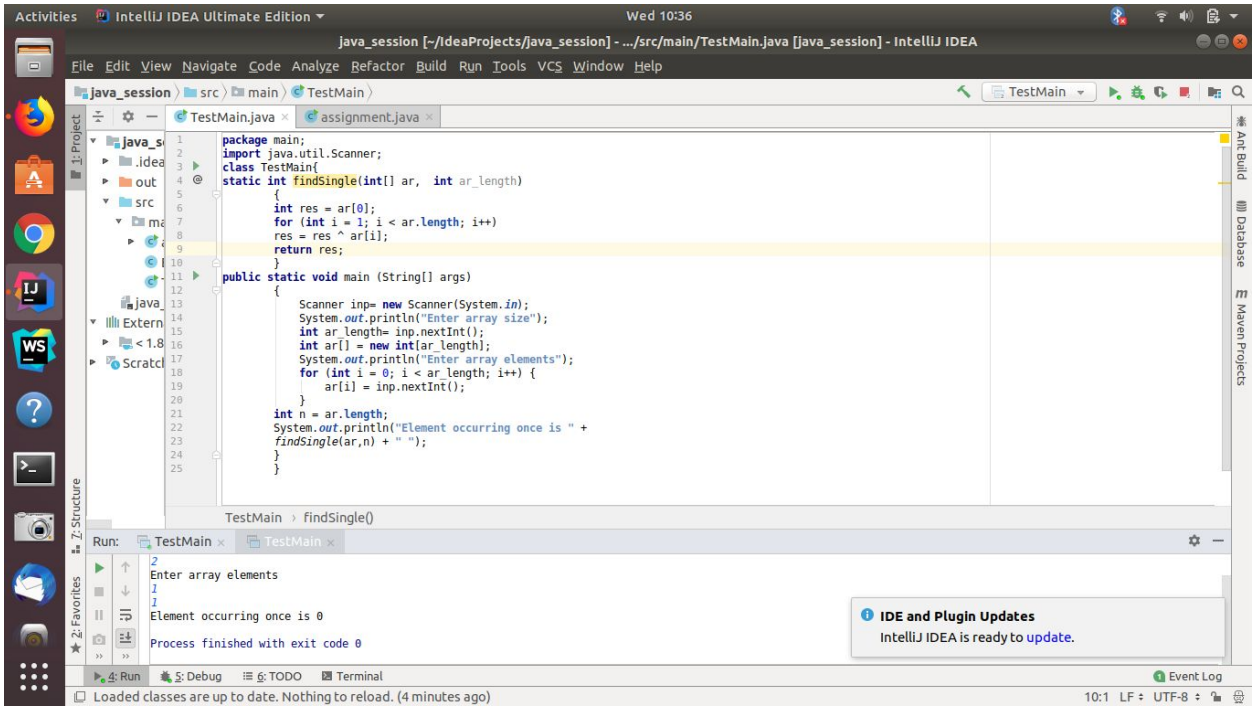
4 -


Activities
IntelliJ IDEA Ultimate Edition
Tue 17:26
java_session [~/IdeaProjects/java_session] - .../src/main/TestMain.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain
TestMain
Project
java_session ~/IdeaProjects/java_sessio
.idea
out
src
main
Employee
TestMain
java_session.iml
External Libraries
< 1.8 > /home/ttn/.sdkman/candidates
Scratches and Consoles
TestMain.java
package main;
public class TestMain {
public static void main(String[] args) {
String str = "Aa # 23";
String str_trimmed = str.trim();
double lowercase = 0, uppercase = 0, digits = 0, special_char = 0 , Total_char,lcPer,ucPer,dPer,scPer;
int i;
Total_char = ((int) str_trimmed.length());
for (i = 0; i < str_trimmed.length(); i++) {
if ((int) str_trimmed.charAt(i) >= 48 && (int) str_trimmed.charAt(i) <= 57) { digits++;
} else if ((int) str_trimmed.charAt(i) >= 65 && (int) str_trimmed.charAt(i) <= 90) { uppercase++;
} else if ((int) str_trimmed.charAt(i) >= 97 && (int) str_trimmed.charAt(i) <= 122) { lowercase++;
} else { special_char++; }
}
lcPer = (lowercase/ Total_char * 100) ;
ucPer = (uppercase/ Total_char * 100) ;
dPer = (digits/ Total_char * 100) ;
scPer = (special_char/ Total_char * 100) ;
System.out.println("Numbers \n Lowercase =" + lowercase + ",Uppercase =" + uppercase +
",Digits =" + digits + ",Special Characters =" + special_char +
"\n Percentage \n Lowercase =" + lcPer +
",Uppercase =" + ucPer + ",Digits =" + dPer +
",Special Characters =" + scPer);
}
}
TestMain › main()
Run: TestMain
Numbers
Lowercase =1.0,Uppercase =1.0,Digits =2.0,Special Characters =3.0
Percentage
Lowercase =14.285714285714285,Uppercase =14.285714285714285,Digits =28.57142857142857,Special Characters =42.857142857142854
4: Run
6: TODO
Terminal
0: Messages
Event Log
Compilation completed successfully in 966 ms (2 minutes ago)
23:47 LF UTF-8

5 -


Activities
IntelliJ IDEA Ultimate Edition
Wed 10:36
java_session [~/IdeaProjects/java_session] - .../src/main/TestMain.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain
TestMain
TestMain.java
assignment.java
package main;
import java.util.Scanner;
class TestMain{
static int findSingle(int[] ar, int ar_length)
{
int res = ar[0];
for (int i = 1; i < ar.length; i++)
res = res ^ ar[i];
return res;
}
public static void main (String[] args)
{
Scanner inp= new Scanner(System.in);
System.out.println("Enter array size");
int ar_length= inp.nextInt();
int ar[] = new int[ar_length];
System.out.println("Enter array elements");
for (int i = 0; i < ar_length; i++) {
ar[i] = inp.nextInt();
}
int n = ar.length;
System.out.println("Element occurring once is " +
findSingle(ar,n) + " ");
}
}
TestMain › findSingle()
Run: TestMain
2
Enter array elements
1
1
Element occurring once is 0
Process finished with exit code 0
IDE and Plugin Updates
IntelliJ IDEA is ready to update.
4: Run
5: Debug
6: TODO
Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (4 minutes ago)
10:1 LF UTF-8

6 -


Activities
IntelliJ IDEA Ultimate Edition
Wed 10:36
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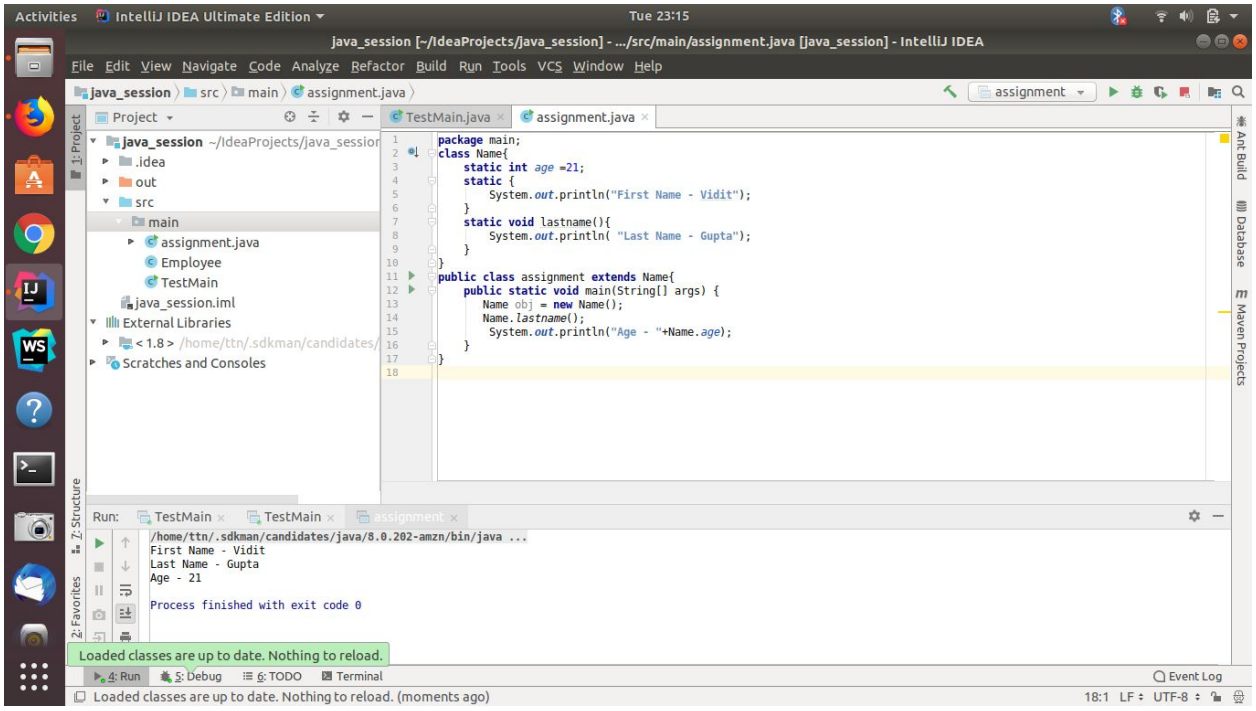
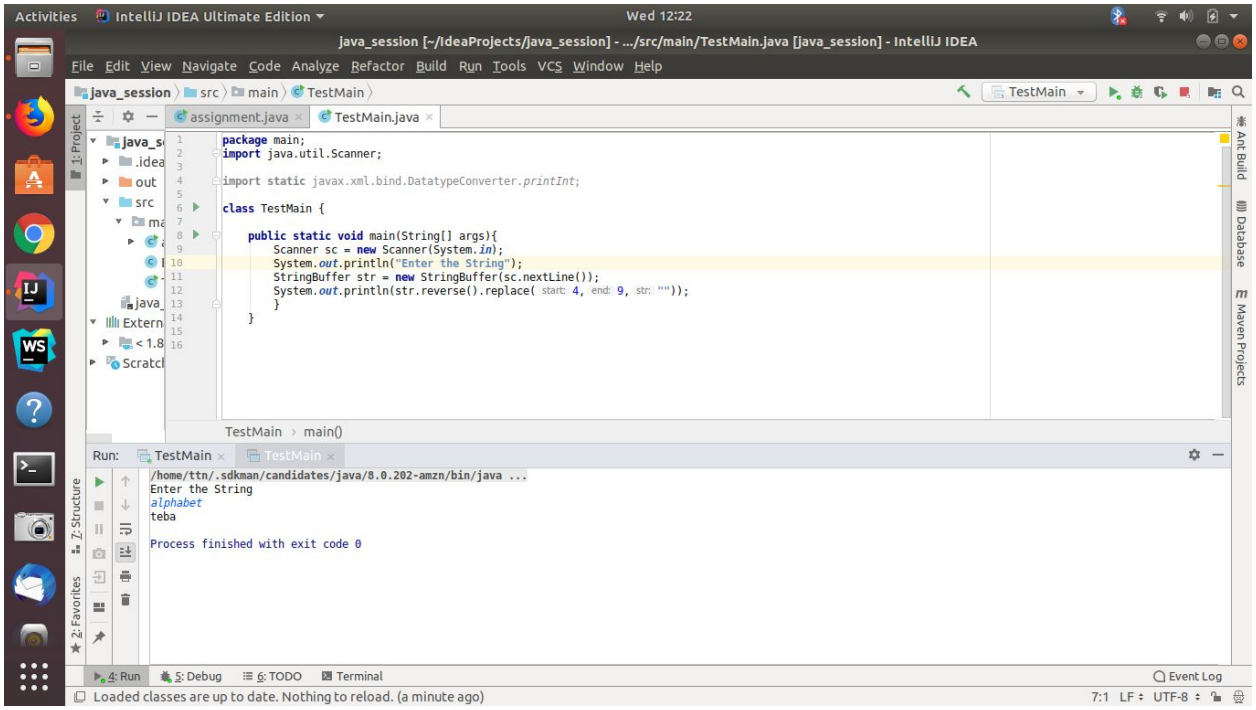
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain
TestMain.java
assignment.java
package main;
import java.util.Scanner;
class TestMain{
static int findSingle(int[] ar, int ar_length)
{
int res = ar[0];
for (int i = 1; i < ar.length; i++)
res = res ^ ar[i];
return res;
}
public static void main (String[] args)
{
Scanner inp= new Scanner(System.in);
System.out.println("Enter array size");
int ar_length= inp.nextInt();
int ar[] = new int[ar_length];
System.out.println("Enter array elements");
for (int i = 0; i < ar_length; i++) {
ar[i] = inp.nextInt();
}
int n = ar.length;
System.out.println("Element occurring once is " +
findSingle(ar,n) + " ");
}
}
TestMain › findSingle()
Run: TestMain
2
Enter array elements
1
1
Element occurring once is 0
Process finished with exit code 0
IDE and Plugin Updates
IntelliJ IDEA is ready to update.
4: Run
5: Debug
6: TODO
Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (4 minutes ago)
10:1 LF UTF-8

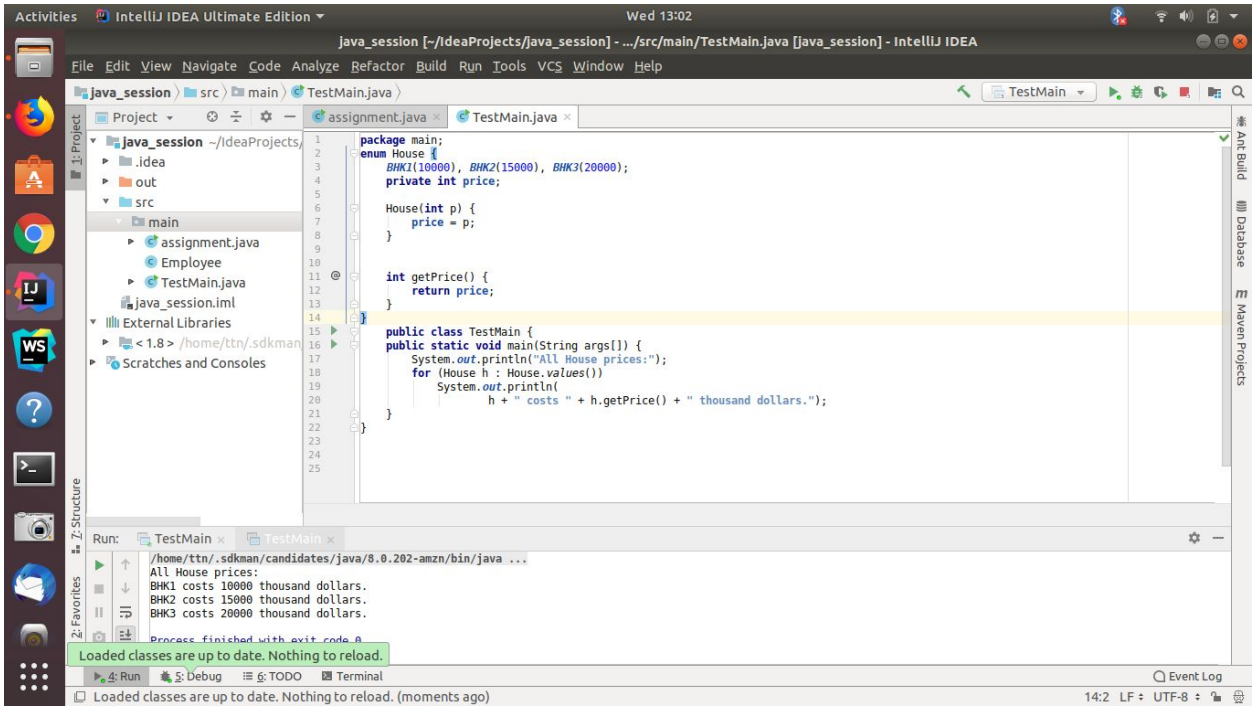
7 -


Activities
IntelliJ IDEA Ultimate Edition
Tue 23:15
java_session [~/IdeaProjects/java_session] - .../src/main/assignment.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main assignment.java
assignment
Project
java_session ~/IdeaProjects/java_session
.idea
out
src
main
assignment.java
Employee
TestMain
java_session.iml
External Libraries
< 1.8 > /home/ttn/.sdkman/candidates/
Scratches and Consoles
TestMain.java
assignment.java
package main;
class Name{
static int age =21;
static {
System.out.println("First Name - Vidit");
}
static void lastname(){
System.out.println("Last Name - Gupta");
}
}
public class assignment extends Name{
public static void main(String[] args) {
Name obj = new Name();
Name.lastname();
System.out.println("Age - "+Name.age);
}
}
Run: TestMain
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
First Name - Vidit
Last Name - Gupta
Age - 21
Process finished with exit code 0
Loaded classes are up to date. Nothing to reload.
4: Run
5: Debug
6: TODO
Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (moments ago)
18:1 LF UTF-8

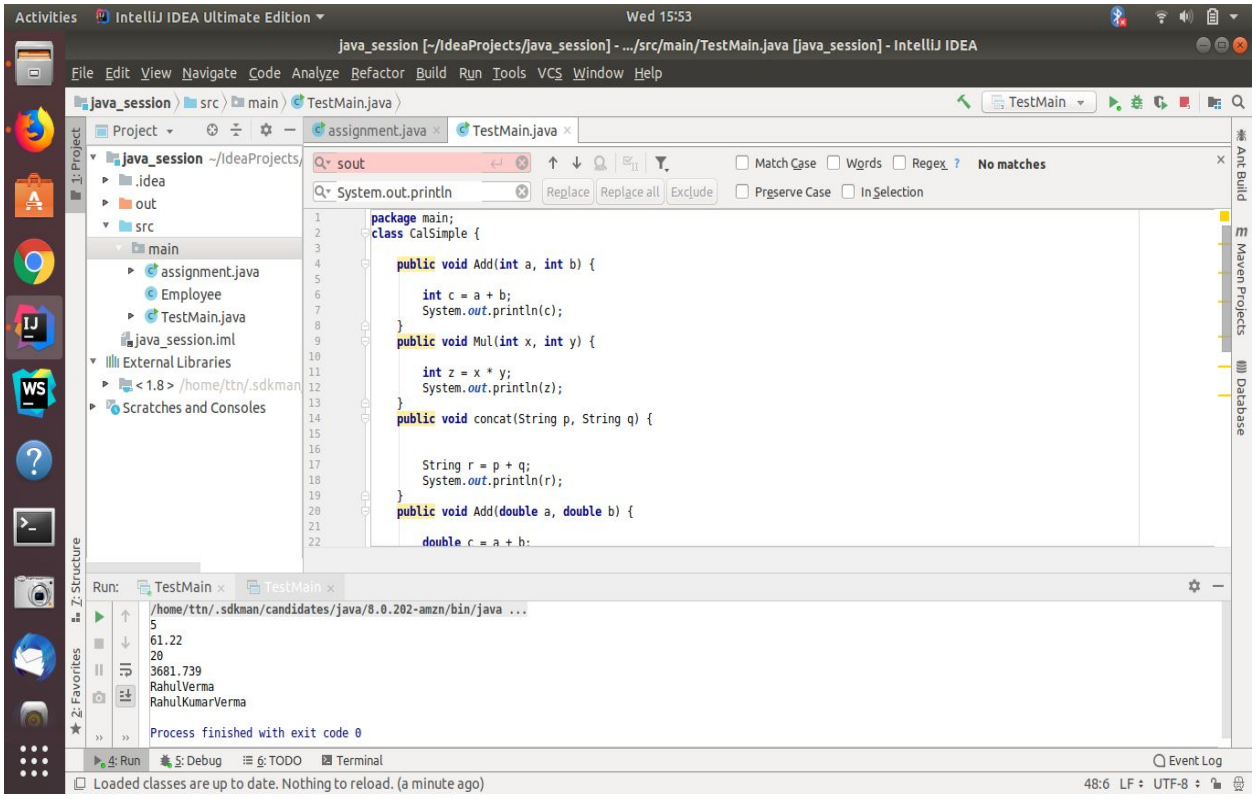
8 -


Activities
IntelliJ IDEA Ultimate Edition
Wed 12:22
java_session [~/IdeaProjects/java_session] - .../src/main/TestMain.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain
assignment.java
TestMain.java
package main;
import java.util.Scanner;
import static javax.xml.bind.DatatypeConverter.printInt;
class TestMain {
public static void main(String[] args){
Scanner sc = new Scanner(System.in);
System.out.println("Enter the String");
StringBuffer str = new StringBuffer(sc.nextLine());
System.out.println(str.reverse().replace(start: 4, end: 9, str: ""));
}
}
TestMain › main()
Run: TestMain
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
Enter the String
alphabet
teba
Process finished with exit code 0
4: Run
5: Debug
6: TODO
Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (a minute ago)
7:1 LF UTF-8

9 -


Activities
IntelliJ IDEA Ultimate Edition
Wed 13:02
java_session [~/IdeaProjects/java_session] - .../src/main/TestMain.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain.java
Project
assignment.java
TestMain.java
java_session ~/IdeaProjects/
.idea
out
src
main
assignment.java
Employee
TestMain.java
java_session.iml
External Libraries
< 1.8 > /home/ttn/.sdkman
Scratches and Consoles
package main;
enum House {
BHK1(10000), BHK2(15000), BHK3(20000);
private int price;
House(int p) {
price = p;
}
int getPrice() {
return price;
}
}
public class TestMain {
public static void main(String args[]) {
System.out.println("All House prices:");
for (House h : House.values())
System.out.println(
h + " costs " + h.getPrice() + " thousand dollars.");
}
}
Run: TestMain
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
All House prices:
BHK1 costs 10000 thousand dollars.
BHK2 costs 15000 thousand dollars.
BHK3 costs 20000 thousand dollars.
Process finished with exit code 0
Loaded classes are up to date. Nothing to reload.
4: Run
5: Debug
6: TODO
Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (moments ago)
14:2 LF UTF-8

10 -


Activities
IntelliJ IDEA Ultimate Edition
Wed 15:53
java_session [~/IdeaProjects/java_session] - .../src/main/TestMain.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain.java
TestMain
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assignment.java
TestMain.java
java_session ~/IdeaProjects/
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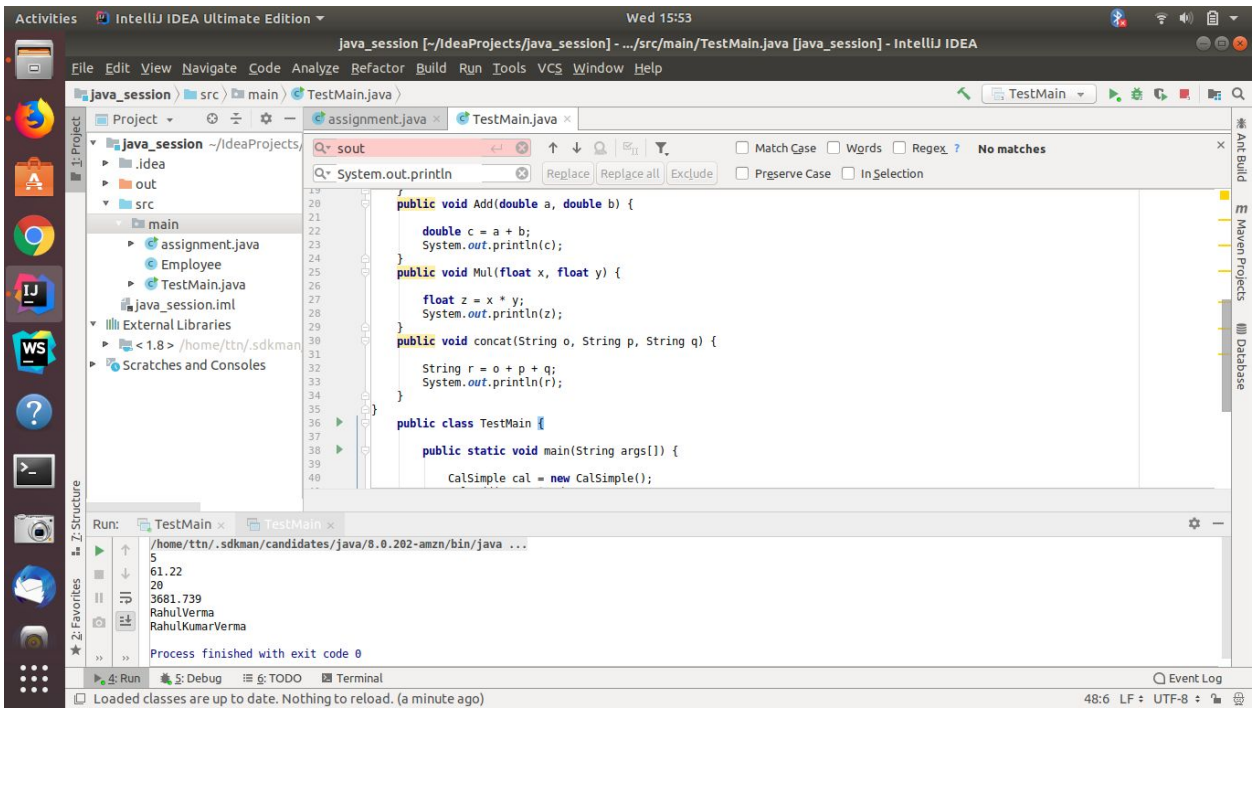
out
src
main
assignment.java
Employee
TestMain.java
java_session.iml
External Libraries
< 1.8 > /home/ttn/.sdkman
Scratches and Consoles
sout
System.out.println
Match Case Words Regex ? No matches
Replace Replace all Exclude
Preserve Case In Selection
package main;
class CalSimple {
public void Add(int a, int b) {
int c = a + b;
System.out.println(c);
}
public void Mul(int x, int y) {
int z = x * y;
System.out.println(z);
}
public void concat(String p, String q) {
String r = p + q;
System.out.println(r);
}
public void Add(double a, double b) {
double c = a + b;
Run: TestMain
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
5
61.22
20
3681.739
RahulVerma
RahulKumarVerma
Process finished with exit code 0
4: Run 5: Debug 6: TODO Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (a minute ago)
48:6 LF UTF-8
1: Project
2: Favorites
7: Structure
Ant Build
Maven Projects
Database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TestMain.java
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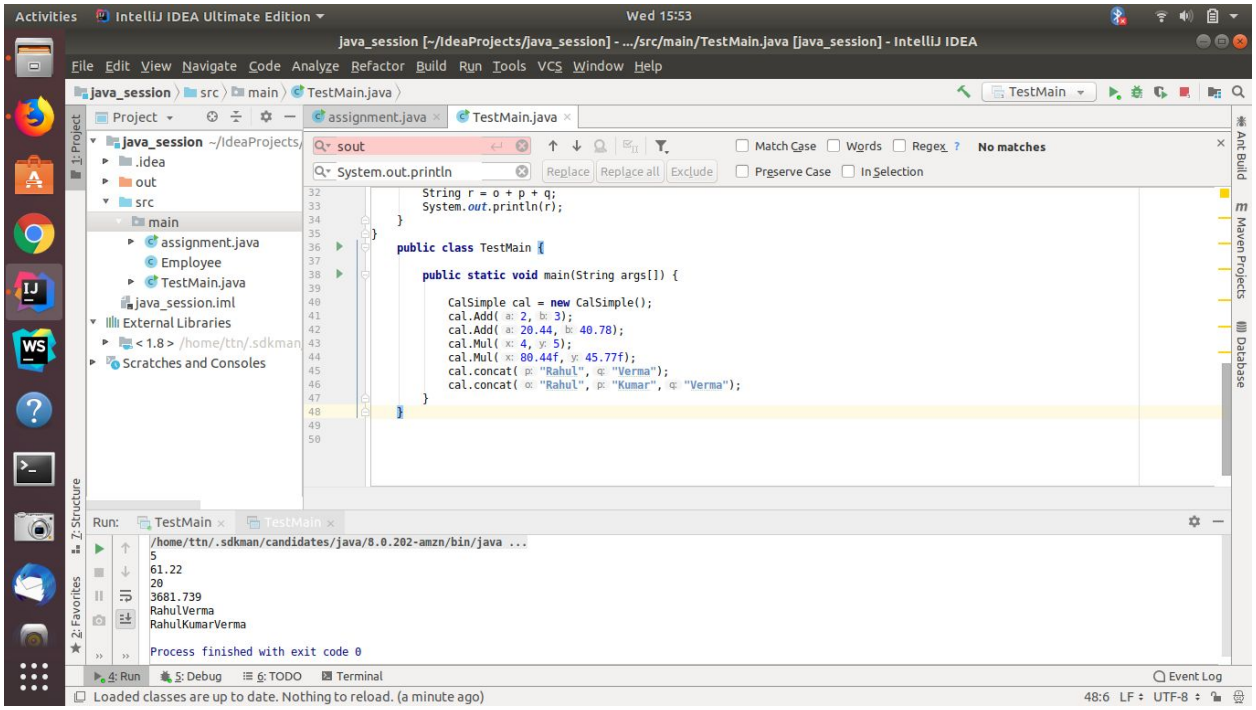
External Libraries
< 1.8 > /home/ttn/.sdkman
Scratches and Consoles
sout
System.out.println
Match Case Words Regex ? No matches
Replace Replace all Exclude
Preserve Case In Selection
public void Add(double a, double b) {
double c = a + b;
System.out.println(c);
}
public void Mul(float x, float y) {
float z = x * y;
System.out.println(z);
}
public void concat(String o, String p, String q) {
String r = o + p + q;
System.out.println(r);
}
}
public class TestMain {
public static void main(String args[]) {
CalSimple cal = new CalSimple();
Run: TestMain
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
5
61.22
20
3681.739
RahulVerma
RahulKumarVerma
Process finished with exit code 0
4: Run 5: Debug 6: TODO Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (a minute ago)
48:6 LF UTF-8
1: Project
2: Favorites
7: Structure
Ant Build
Maven Projects
Database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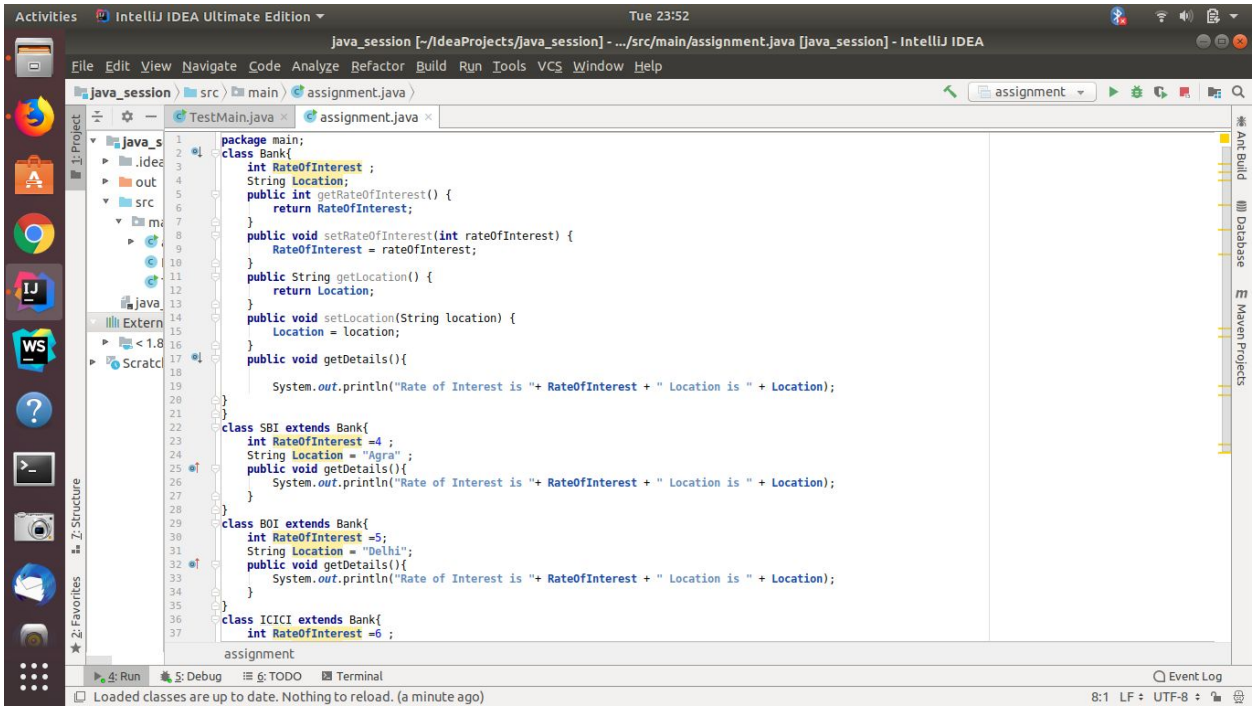
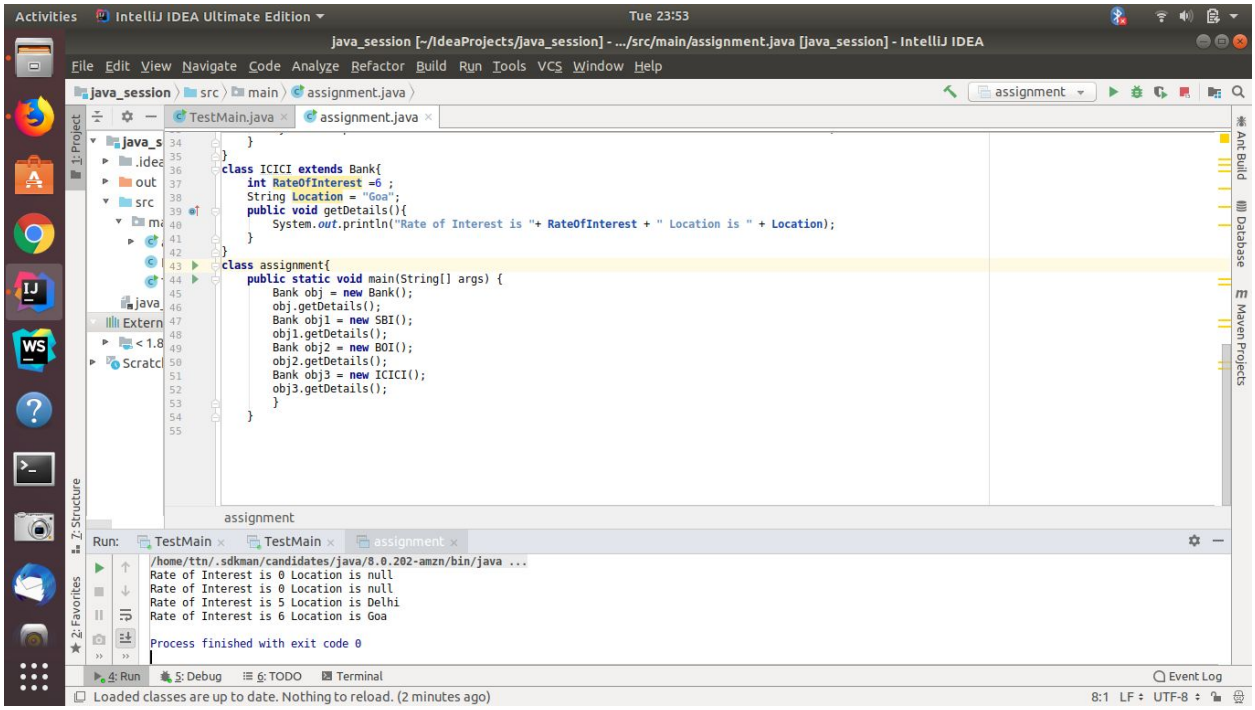
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
java_session src main TestMain.java
TestMain
Project
assignment.java
TestMain.java
sout
System.out.println
Match Case Words Regex ? No matches
Replace Replace all Exclude
Preserve Case In Selection
java_session ~/IdeaProjects/
.idea
out
src
main
assignment.java
Employee
TestMain.java
java_session.iml
External Libraries
< 1.8 > /home/ttn/.sdkman
Scratches and Consoles
String r = o + p + q;
System.out.println(r);
}
public class TestMain {
public static void main(String args[]) {
CalSimple cal = new CalSimple();
cal.Add(a: 2, b: 3);
cal.Add(a: 20.44, b: 40.78);
cal.Mul(x: 4, y: 5);
cal.Mul(x: 80.44f, y: 45.77f);
cal.concat(p: "Rahul", q: "Verma");
cal.concat(o: "Rahul", p: "Kumar", q: "Verma");
}
}
Run: TestMain
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
5
61.22
20
3681.739
RahulVerma
RahulKumarVerma
Process finished with exit code 0
4: Run 5: Debug 6: TODO Terminal
Event Log
Loaded classes are up to date. Nothing to reload. (a minute ago)
48:6 LF UTF-8

11 -


Activities
IntelliJ IDEA Ultimate Edition
Tue 23:52
java_session [~/IdeaProjects/java_session] - .../src/main/assignment.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
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


Activities
IntelliJ IDEA Ultimate Edition
Tue 23:53
java_session [~/IdeaProjects/java_session] - .../src/main/assignment.java [java_session] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
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
1: Project
2: Favorites
7: Structure
Ant Build
Database
Maven Projects