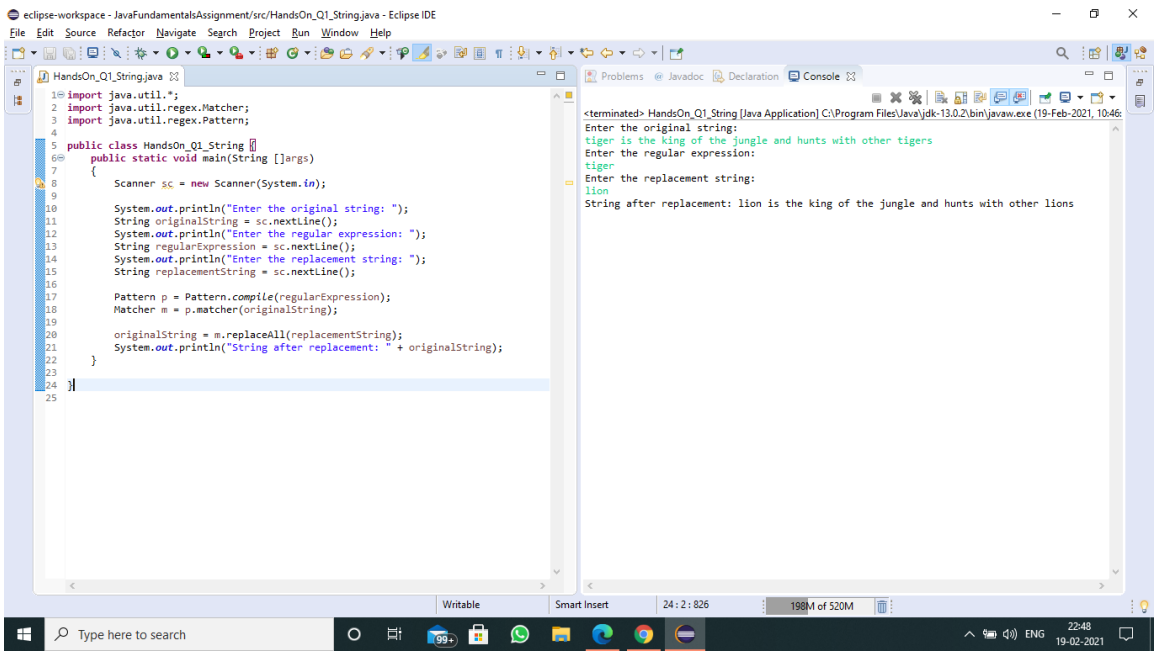
Accolite University Feb Batch 1
Java Fundamentals Assignment

- Meet Shah
(INT626)

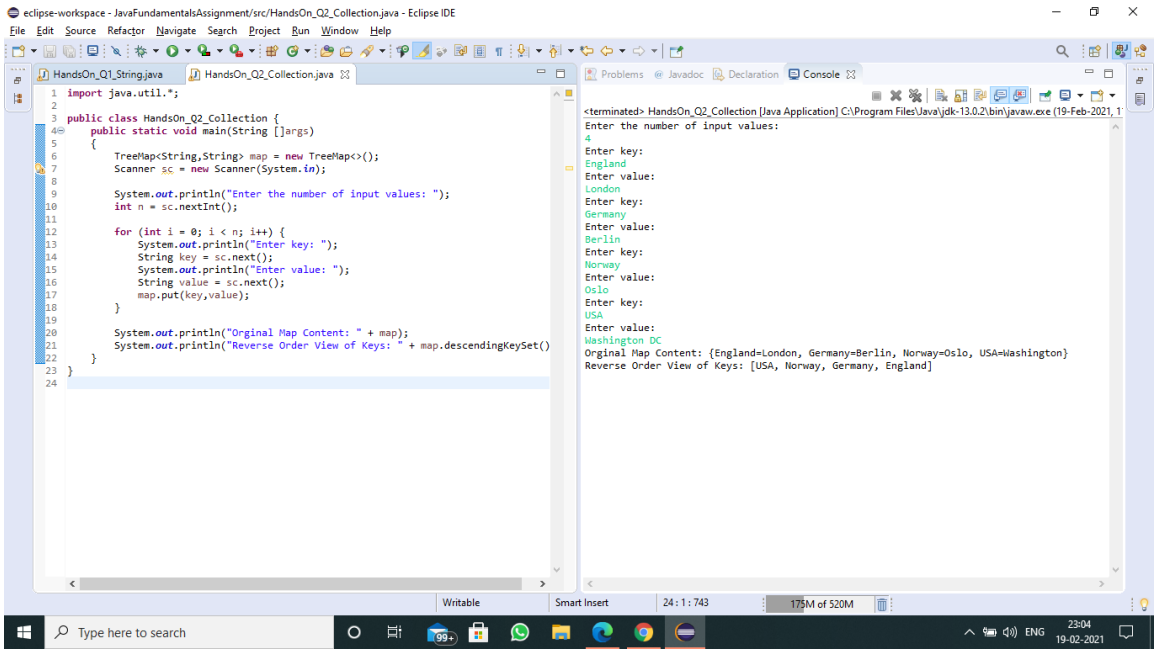
ALL SCREENSHOTS

HandsOn Questions

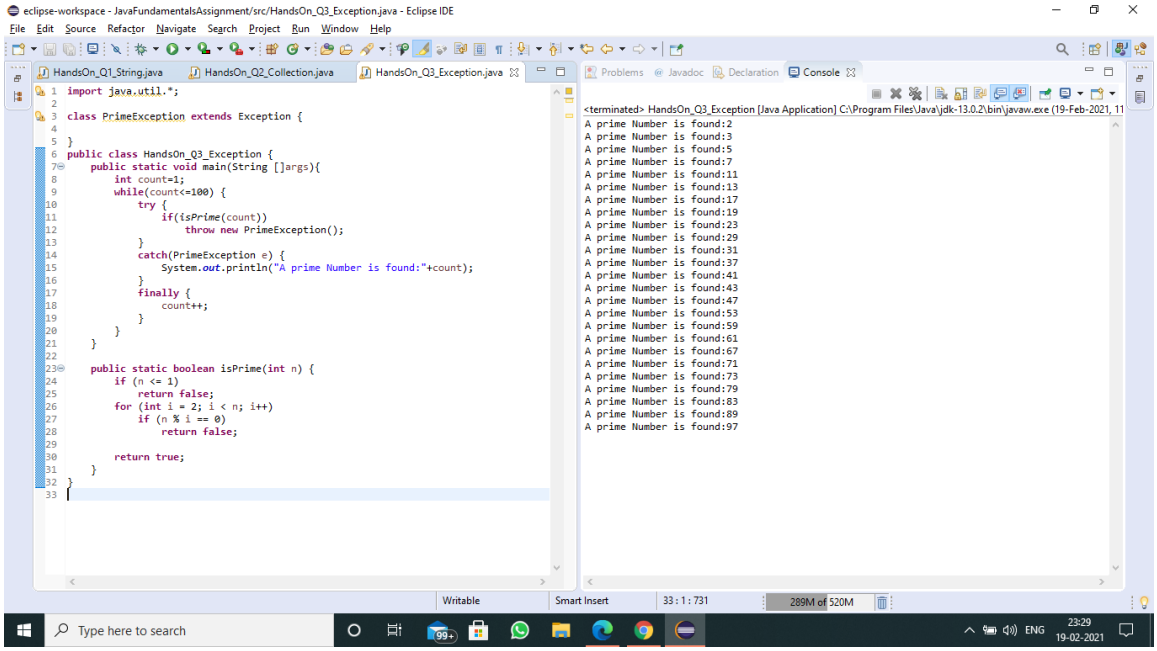
Q1.



Q2.



Q3.


eclipse-workspace - JavaFundamentalsAssignment/src/HandsOn_Q3_Exception.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
HandsOn_Q1_String.java
HandsOn_Q2_Collection.java
HandsOn_Q3_Exception.java
import java.util.*;
class PrimeException extends Exception {
}
public class HandsOn_Q3_Exception {
public static void main(String []args){
int count=1;
while(count<=100) {
try {
if(isPrime(count))
throw new PrimeException();
}
catch(PrimeException e) {
System.out.println("A prime Number is found:"+count);
}
finally {
count++;
}
}
}
public static boolean isPrime(int n) {
if (n <= 1)
return false;
for (int i = 2; i < n; i++)
if (n % i == 0)
return false;
return true;
}
}
Problems Javadoc Declaration Console
<terminated> HandsOn_Q3_Exception [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (19-Feb-2021, 11
A prime Number is found:2
A prime Number is found:3
A prime Number is found:5
A prime Number is found:7
A prime Number is found:11
A prime Number is found:13
A prime Number is found:17
A prime Number is found:19
A prime Number is found:23
A prime Number is found:29
A prime Number is found:31
A prime Number is found:37
A prime Number is found:41
A prime Number is found:43
A prime Number is found:47
A prime Number is found:53
A prime Number is found:59
A prime Number is found:61
A prime Number is found:67
A prime Number is found:71
A prime Number is found:73
A prime Number is found:79
A prime Number is found:83
A prime Number is found:89
A prime Number is found:97
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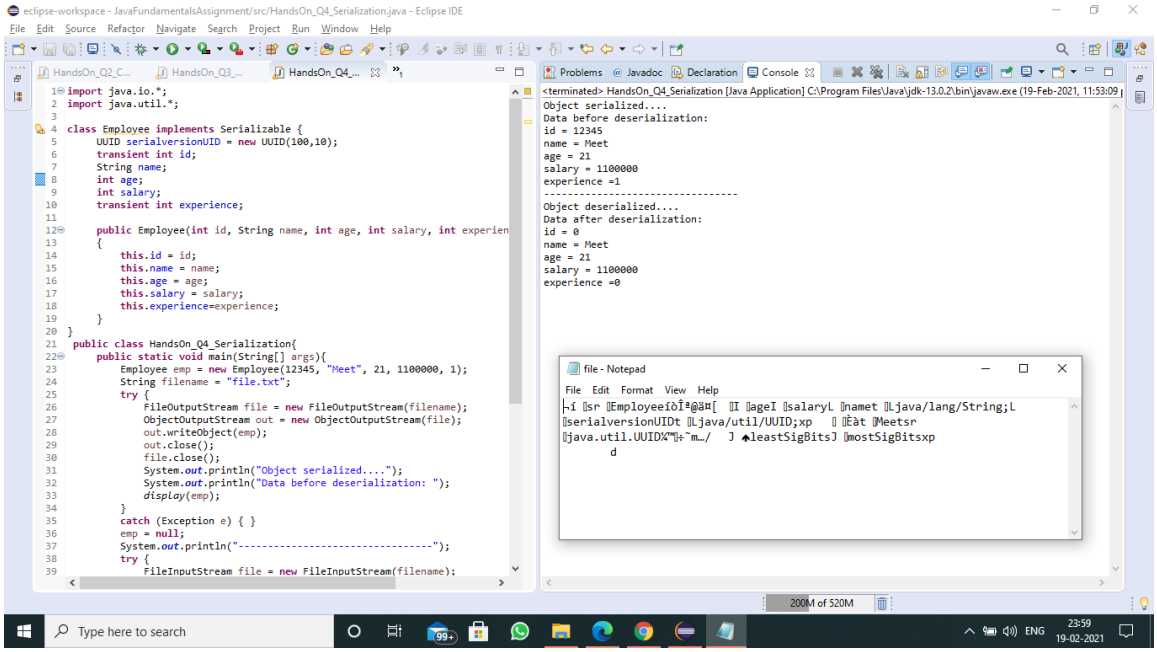
Q4.


eclipse-workspace - JavaFundamentalsAssignment/src/HandsOn_Q4_Serialization.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
HandsOn_Q4_...
import java.io.*;
import java.util.*;
class Employee implements Serializable {
UUID serialversionUID = new UUID(100,10);
transient int id;
String name;
int age;
int salary;
transient int experience;
public Employee(int id, String name, int age, int salary, int experien
{
this.id = id;
this.name = name;
this.age = age;
this.salary = salary;
this.experience=experience;
}
}
public class HandsOn_Q4_Serialization{
public static void main(String[] args){
Employee emp = new Employee(12345, "Meet", 21, 1100000, 1);
String filename = "file.txt";
try {
FileOutputStream file = new FileOutputStream(filename);
ObjectOutputStream out = new ObjectOutputStream(file);
out.writeObject(emp);
out.close();
file.close();
System.out.println("Object serialized....");
System.out.println("Data before deserialization: ");
display(emp);
}
catch (Exception e) { }
emp = null;
System.out.println("--------------------------------");
try {
FileInputStream file = new FileInputStream(filename);
Problems Javadoc Declaration Console
<terminated> HandsOn_Q4_Serialization [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (19-Feb-2021, 11:53:09
Object serialized....
Data before deserialization:
id = 12345
name = Meet
age = 21
salary = 1100000
experience =1

Object deserialized....
Data after deserialization:
id = 0
name = Meet
age = 21
salary = 1100000
experience =0
file - Notepad
File Edit Format View Help
¬í □sr □EmployeeéôÏª@ä¤[□I □ageI □salaryL □namet □Ljava/lang/String;L
□serialversionUIDt □Ljava/util/UUID;xp □ □Èàt □Meetsr
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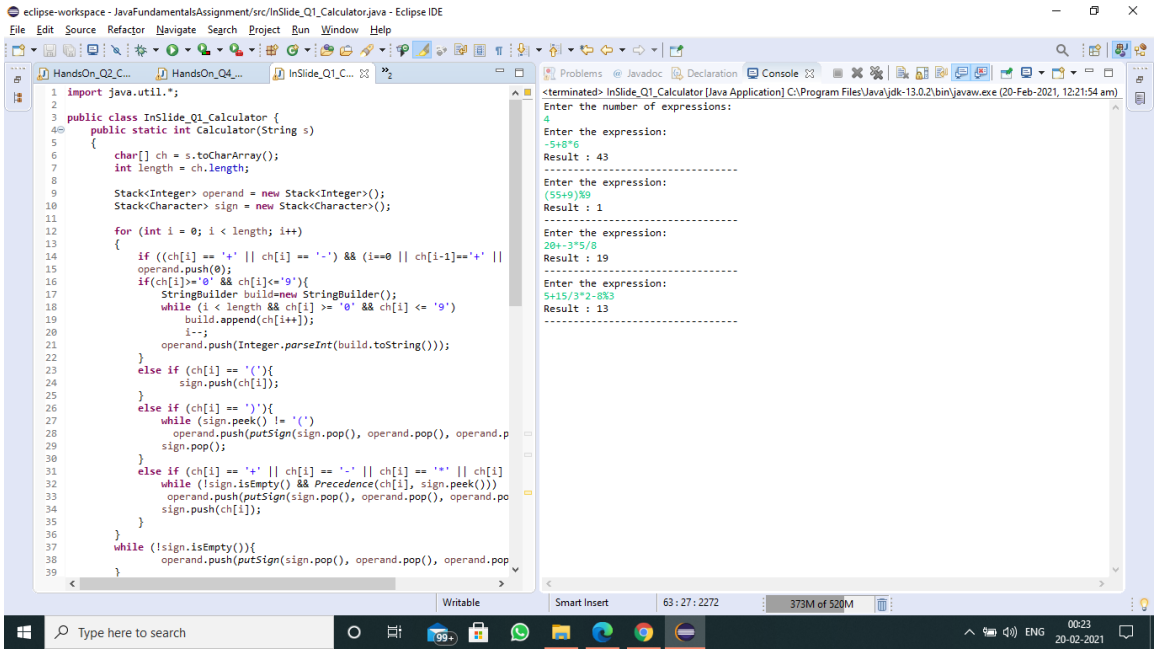
19-02-2021

InSlide Questions

Q1.



Q2.