**Online Examination**



A project report submitted to

Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal

towards partial fulfillment of

the degree of

**MASTER OF COMPUTER APPLICATION**

**{year 2020-21}**

**Submitted by:**

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**SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE**

**INDORE (M.P.)**

**SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE**

**INDORE (M.P.)**



**Recommendation**

The project report entitled **“*Online Examination*”** submitted by **Leena Choudhary** students of Second year in the session 2020-21, towards partial fulfillment of the degree of **Master of Computer Applications** of Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal, is a satisfactory account of her work and is recommended for the award of degree**.**

**Upendra Singh**

Project Guide

Department of IT

**Head**

Department of IT

**Dean(Academics)**

**S.G.S.I.T.S.,Indore**

**SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE**

**INDORE (M.P.)**



**Certificate**

The project report entitled **“*Online Examination*”** submitted by **Leena Choudhary** student of Second year in the session 2020-21, towards partial fulfillment of the degree of **Master of Computer Applications** of Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal, is a satisfactory account of their work and is approved for award of the degree.

**Internal Examiner External Examiner**

**Date**

**Acknowledgement**

I am heartily pleased to acknowledge all those people who have helped me in the successful completion of this project. With great pleasure i express my heartfelt gratitude to our esteemed guide, **Mr. Upendra Singh** Lecturer Department of information Technology, S.G.S.I.T.S. Indore. His persistent encouragement, perpetual motivation, everlasting patience and valuable technical inputs in discussions have enabled the successful completion of this project. His invaluable help, advice and constant encouragement helped us a lot and provide impetus to the progress of the project. We extend our profound indebtedness to the Head of the department **Ms. Sunita Varma,** the word loose their worth for her invaluable guidance, continuous encouragement and cooperation in every respect.

I sincerely wish to express our gratitude to all the members of staff of M.C.A.who have extended their cooperation at all times and have contributed in their own way in developing the project. Successful completion of a project is not an individual effort. It is an outcome of the cumulative effort of a number of persons, each having his own importance to the objective. We are thankful to our parents for being a constant source of encouragement in all our endeavors. Indeed it is their support that helps us through the ups and downs of life. The support and suggestion of our friends are worth appreciation and thankfulness. *A blend of gratitude, pleasure, great satisfaction and indebtedness is what, we feel to convey to all those who have directly or indirectly contributed to the successful completion of our project work.*

**Leena Choudhary**

**Abstract**

**Online Examination is a software build on java and runs on terminal only.**

**A Online Examination is a software which provides students to give an exam.**

**There are number of things which this online Examination can do, including:**

* **Show the result of each subject.**
* **Result can be stored in file.**
* **Student can see the result after entering student id.**

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**Chapter 1**

**Introduction**

* 1. **Objective**

The objective of this project is an online test that allow user to take online tests and automatically generate results.

* 1. **Scope**

The software can be used in private institute as well as education institute.

The benefits of this software are better option for distance learning .

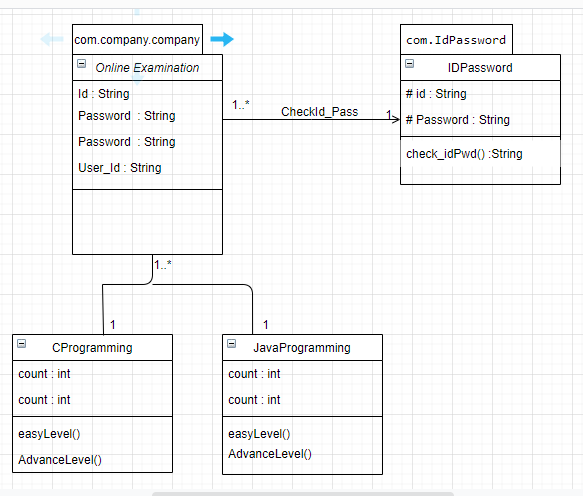
* 1. **Technologies Used**

1. Java

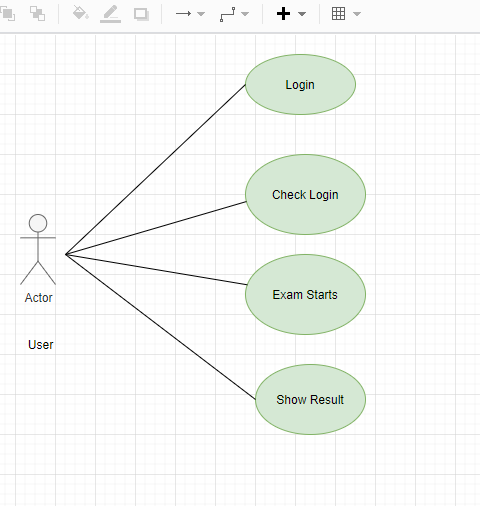
**Chapter 2**

**Analysis**

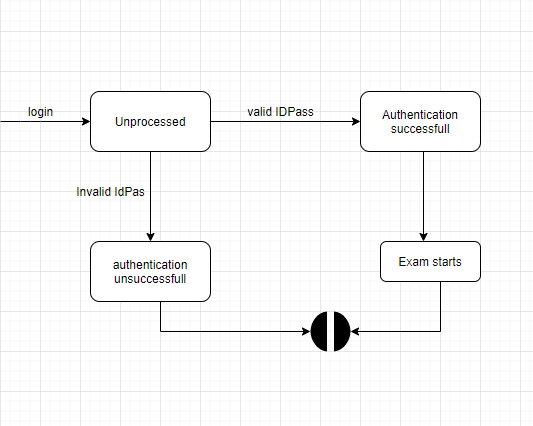
**Class Diagram**



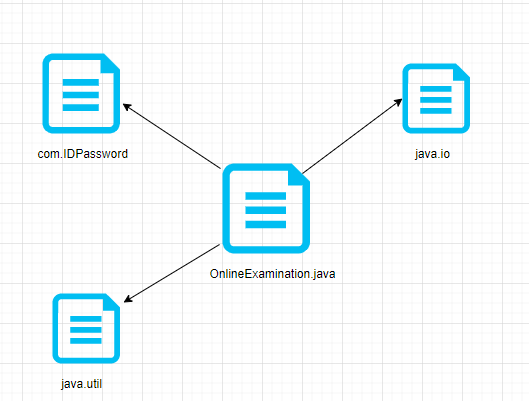
**Use Case Diagram**



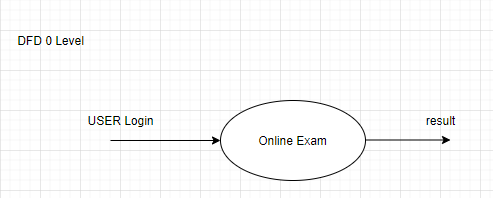
**State Chart Diagram**



**Component diagram**



**DFD Diagram**



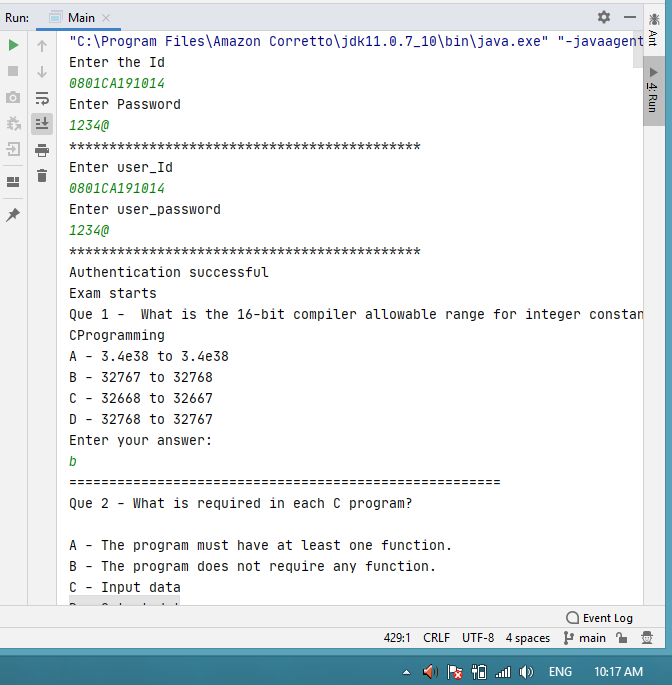
**Coding**

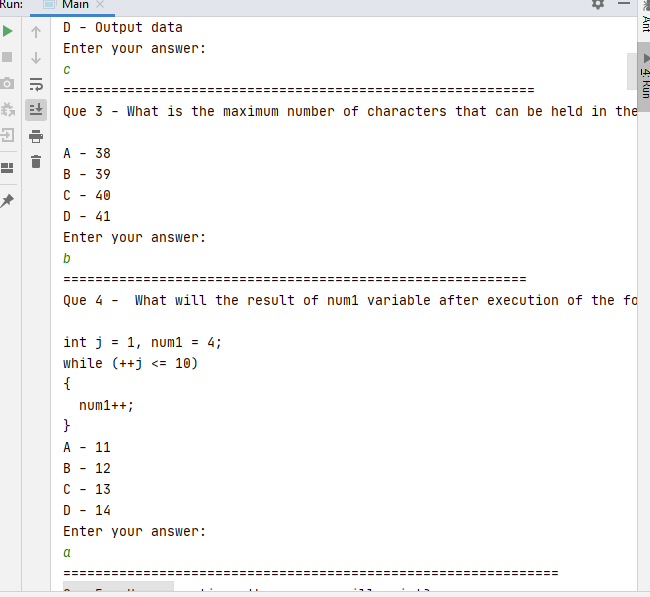
package com.company.company;  
import com.idPassword.IdPassword;  
import java.io.\*;  
import java.util.Scanner;  
  
public class Main  
{  
 static Scanner *scanner* = new Scanner(System.*in*);  
  
 public static void main(String[] args) {  
 System.*out*.println("Enter the Id");  
 String Id = *scanner*.nextLine();  
 System.*out*.println("Enter Password");  
 String Password = *scanner*.nextLine();  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
  
 System.*out*.println("Enter user\_Id");  
 String Id\_user = *scanner*.nextLine();  
 System.*out*.println("Enter user\_password");  
 String password\_user = *scanner*.nextLine();  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 IdPassword idPassword = new IdPassword(Id, Password);  
  
 String check = idPassword.check\_idPwd(Id\_user, password\_user);  
 CProgramming C = new CProgramming();  
 JavaProgramming Java = new JavaProgramming();  
 if (check.equals("Authentication successful")) {  
 System.*out*.println("Authentication successful");  
 System.*out*.println("Exam starts");  
 *//C.easyLevel();* int cEasy = C.easyLevel();  
 System.*out*.println("+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++");  
 int cAdvance = C.AdvanceLevel();  
 *showres*();  
  
 System.*out*.println("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.*out*.println("Questions of java Programming");  
  
 int javaEasy = Java.easyLevel();  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 int javaAdvance = Java.AdvanceLevel();  
 *showres*();  
  
 String fid = Id;  
 String Fpass = Password;  
 try {  
  
 FileOutputStream fout = new FileOutputStream(fid + ".txt");  
 fid = "ID : " + fid + "\n";  
 fout.write(fid.getBytes());  
 String CeasyResult = "C Programming easy level total : " + String.*valueOf*(cEasy);  
 fout.write(CeasyResult.getBytes());  
 fout.write("\n".getBytes());  
 System.*out*.println("\n");  
 String CadvanceResult = "C Programming advance level total : " + String.*valueOf*(cAdvance);  
 fout.write(CadvanceResult.getBytes());  
  
 System.*out*.println("\n");  
 String JavaEasyResult = "JAVA Programming easy level total : " + String.*valueOf*(javaEasy);  
 fout.write(JavaEasyResult.getBytes());  
 fout.write("\n".getBytes());  
 System.*out*.println("\n");  
 String JavaAdvanceResult = "\n JAVA Programming advance level total : " + String.*valueOf*(javaAdvance);  
 fout.write(JavaAdvanceResult.getBytes());  
  
 fout.close();  
  
 } catch (Exception e) {  
 System.*out*.println(e);  
 }  
  
  
 }  
  
 }  
 static void showres ()  
 {  
 try {  
 System.*out*.println("Enter id to show result\n");  
 String fid = *scanner*.nextLine();  
 FileInputStream fin = new FileInputStream(fid + ".txt");  
 int i = 0;  
 while ((i = fin.read()) != -1) {  
 System.*out*.print((char) i);  
 }  
 fin.close();  
 } catch (Exception e) {  
 System.*out*.println("File not found");  
 }  
 }  
}

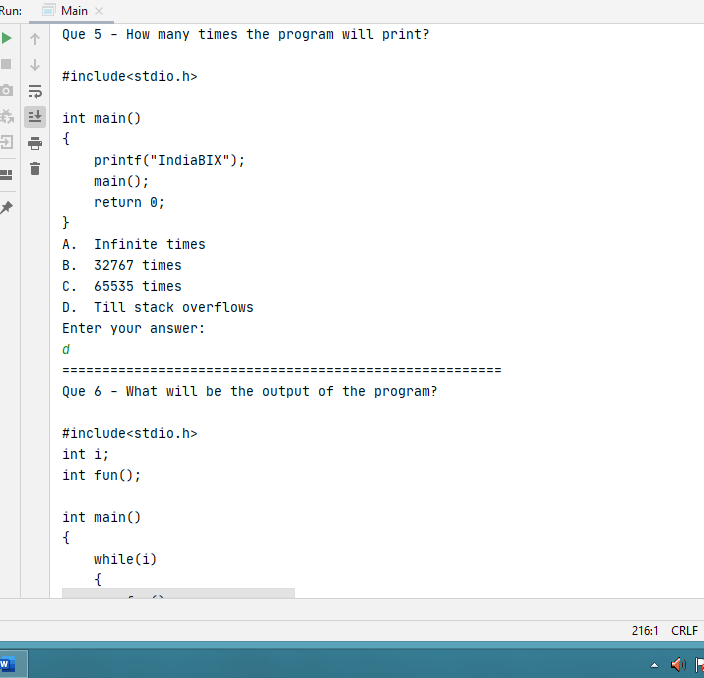
package com.idPassword;  
  
public class IdPassword {  
 protected String id;  
 protected String password;  
  
 public IdPassword(String id, String password) {  
 this.id = id;  
 this.password = password;  
 }  
  
 public String check\_idPwd(String Id\_user,String Password\_user){  
 if (id.equals(Id\_user) && password.equals(Password\_user))  
 {  
 return ("Authentication successful");  
 }  
 else {  
 return ("Authentication failed");  
 }  
 }  
}

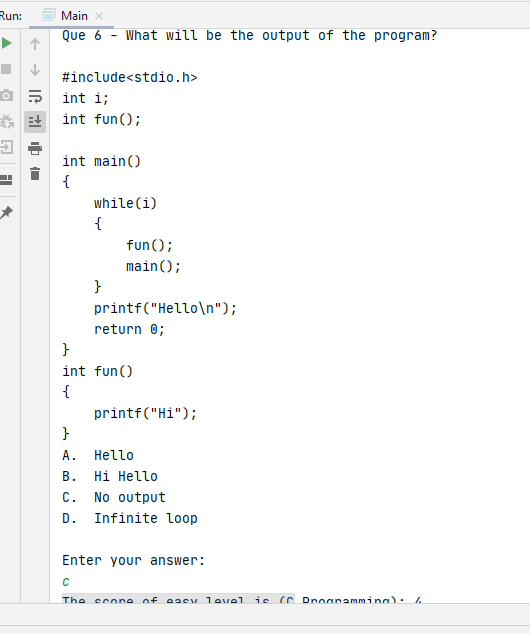
package com.company.company;  
  
import java.util.Scanner;  
  
public class CProgramming{  
 Scanner scan = new Scanner(System.*in*);  
  
 public int easyLevel()  
 {  
 int count = 0;  
 System.*out*.print("Que 1 - What is the 16-bit compiler allowable range for integer constants?\n" +  
 "CProgramming \n" +  
 "A - 3.4e38 to 3.4e38\n" +  
 "B - 32767 to 32768\n" +  
 "C - 32668 to 32667\n" +  
 "D - 32768 to 32767\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans1 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans1) == 'D')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("======================================================");  
 System.*out*.print("Que 2 - What is required in each C program?\n" +  
 "\n" +  
 "A - The program must have at least one function.\n" +  
 "B - The program does not require any function.\n" +  
 "C - Input data\n" +  
 "D - Output data\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans2 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans2) == 'B')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("===========================================================");  
 System.*out*.print("Que 3 - What is the maximum number of characters that can be held in the string variable char address line [40]?\n" +  
 "\n" +  
 "A - 38\n" +  
 "B - 39\n" +  
 "C - 40\n" +  
 "D - 41\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans3 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans3) == 'B')  
 {  
 count+=2;  
 }  
  
  
 System.*out*.println("==========================================================");  
 System.*out*.print("Que 4 - What will the result of num1 variable after execution of the following statements?\n" +  
 "\n" +  
 "int j = 1, num1 = 4; \n" +  
 "while (++j <= 10) \n" +  
 "{ \n" +  
 " num1++; \n" +  
 "} \n" +  
 "A - 11\n" +  
 "B - 12\n" +  
 "C - 13\n" +  
 "D - 14\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans4 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans4) == 'C')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("==============================================================");  
 System.*out*.print("Que 5 - How many times the program will print?\n" +  
 "\n" +  
 "#include<stdio.h>\n" +  
 "\n" +  
 "int main()\n" +  
 "{\n" +  
 " printf(\"IndiaBIX\");\n" +  
 " main();\n" +  
 " return 0;\n" +  
 "}\n" +  
 "A.\tInfinite times\n" +  
 "B.\t32767 times\n" +  
 "C.\t65535 times\n" +  
 "D.\tTill stack overflows\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans5 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans5) == 'D')  
 {  
 count+=2;  
 }  
  
  
 System.*out*.println("=======================================================");  
 System.*out*.println("Que 6 - What will be the output of the program?\n" +  
 "\n" +  
 "#include<stdio.h>\n" +  
 "int i;\n" +  
 "int fun();\n" +  
 "\n" +  
 "int main()\n" +  
 "{\n" +  
 " while(i)\n" +  
 " {\n" +  
 " fun();\n" +  
 " main();\n" +  
 " }\n" +  
 " printf(\"Hello\\n\");\n" +  
 " return 0;\n" +  
 "}\n" +  
 "int fun()\n" +  
 "{\n" +  
 " printf(\"Hi\");\n" +  
 "}\n" +  
 "A.\tHello\n" +  
 "B.\tHi Hello\n" +  
 "C.\tNo output\n" +  
 "D.\tInfinite loop\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans6 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans6) == 'A')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("The score of easy level is (C Programming): "+count);  
 return count;  
  
 }  
  
 public int AdvanceLevel()  
 {  
 int count = 0;  
 System.*out*.println("Ques1. What is the output of the following ?\n" +  
 "#include <stdio.h> \n" +  
 "void main() \n" +  
 "{ \n" +  
 " int a[5] = { 5, 1, 15, 20, 25 }; \n" +  
 " int i, j, m; \n" +  
 " i = ++a[1]; \n" +  
 " j = a[1]++; \n" +  
 " m = a[i++]; \n" +  
 " printf(\"%d, %d, %d\", i, j, m); \n" +  
 "} \n" +  
 "Options :\n" +  
 "A. 3, 2, 15\n" +  
 "B. 2, 3, 20\n" +  
 "C. 2, 1, 15\n" +  
 "D. 1, 2, \n ");  
  
 System.*out*.println("Enter your answer: ");  
 char ans1 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans1) == 'A')  
 {  
 count+=3;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 2 - What is the output of the following ?\n" +  
 "#include <stdio.h> \n" +  
 "void main() \n" +  
 "{ \n" +  
 " char\* s = \"hello\"; \n" +  
 " char\* p = s; \n" +  
 " printf(\"%p\\t%p\", p, s); \n" +  
 "} \n" +  
 "Options :\n" +  
 "A. Different address is printed\n" +  
 "B. Same address is printed\n" +  
 "C. Run time error\n" +  
 "D. Nothing\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans2 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans2) == 'B')  
 {  
 count+=3;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 3 - What is the output of the following ?\n" +  
 "#include<stdio.h> \n" +  
 "void main() \n" +  
 "{ \n" +  
 " int movie = 1; \n" +  
 " switch (movie << (2 + movie)) \n" +  
 " { \n" +  
 " default: \n" +  
 " printf(\" Traffic\"); \n" +  
 " case 4: \n" +  
 " printf(\" Sultan\"); \n" +  
 " case 5: \n" +  
 " printf(\" Dangal\"); \n" +  
 " case 8: \n" +  
 " printf(\" Bahubali\"); \n" +  
 " } \n" +  
 "} \n");  
  
 System.*out*.println("Write your answer here: ");  
 String ans3 = scan.nextLine();  
  
 if (ans3.toLowerCase().equals("bahubali") ) {  
 count += 3;  
 }  
  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.*out*.println("Ques 4 - What is the output of the following ?\\n\"" +  
 "#include<stdio.h> \n" +  
 "#define L 10 \n" +  
 "void main() \n" +  
 "{ \n" +  
 " auto a = 10; \n" +  
 " switch (a, a\*2) \n" +  
 " { \n" +  
 " case L: \n" +  
 " printf(\"ABC\"); \n" +  
 " break; \n" +  
 " \n" +  
 " case L\*2: \n" +  
 " printf(\"XYZ\"); \n" +  
 " break; \n" +  
 " \n" +  
 " case L\*3: \n" +  
 " printf(\"PQR\"); \n" +  
 " break; \n" +  
 " \n" +  
 " default: \n" +  
 " printf(\"MNO\"); \n" +  
 " \n" +  
 " case L\*4: \n" +  
 " printf(\"www\"); \n" +  
 " break; \n" +  
 " } \n" +  
 "}\n ");  
  
 System.*out*.println("Write your answer here: ");  
 String ans4 = scan.nextLine();  
 if (ans4.toLowerCase().equals("xyz"))  
 {  
 count += 3;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 5 - What will be the output of the following code?\n" +  
 "#include <stdio.h> \n" +  
 " \n" +  
 "int main() \n" +  
 "{ \n" +  
 " short i; \n" +  
 " for (i = 1; i> 0; i++) \n" +  
 " printf(\"%d\\n\", i); \n" +  
 "} \n" +  
 "options :\n" +  
 "A.The control won’t fall into the for loop\n" +  
 "B.Numbers will be displayed until the signed limit of short and throw a run time error\n" +  
 "C.Numbers will be displayed until the signed limit of short and program will successfully terminate\n" +  
 "D.This program will get into an infinite loop and keep printing numbers with no errors\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans5 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans5) == 'D')  
 {  
 count+=3;  
 }  
  
 System.*out*.println("The score of Advance level (C Programming): "+count);  
  
 return count;  
  
  
  
  
 }  
}

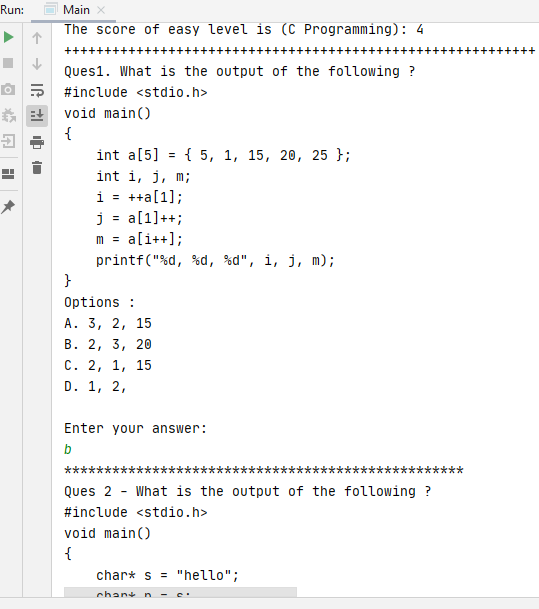
package com.company.company;  
  
import java.util.Scanner;  
  
public class JavaProgramming {  
 Scanner scan = new Scanner(System.*in*);  
  
 public int easyLevel()  
 {  
 int count = 0;  
 System.*out*.println("Ques 1 - Which of the following is not a Java features?\n" +  
 "\n" +  
 "A.Dynamic\n" +  
 "B.Architecture Neutral\n" +  
 "C.Use of pointers\n" +  
 "D.Object-oriented\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans1 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans1) == 'C')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 2 - The \\u0021 article referred to as a\n" +  
 "\n" +  
 "A.Unicode escape sequence\n" +  
 "B.Octal escape\n" +  
 "C.Hexadecimal\n" +  
 "D.Line feed\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans2 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans2) == 'A')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 3 - Evaluate the following Java expression, if x=3, y=5, and z=10:\n" +  
 "\n" +  
 "++z + y - y + z + x++\n" +  
 "\n" +  
 "A.24\n" +  
 "B.23\n" +  
 "C.20\n" +  
 "D.25\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans3 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans3) == 'A')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 4 -What will be the output of the following program?\n" +  
 "\n" +  
 "public class Test { \n" +  
 "public static void main(String[] args) { \n" +  
 " int count = 1; \n" +  
 " while (count <= 15) { \n" +  
 " System.out.println(count % 2 == 1 ? \"\*\*\*\" : \"+++++\"); \n" +  
 " ++count; \n" +  
 " } // end while \n" +  
 " } // end main \n" +  
 " } \n" +  
 "A.15 times \*\*\*\n" +  
 "B.15 times +++++\n" +  
 "C.8 times \*\*\* and 7 times +++++\n" +  
 "D.Both will print only once\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans4 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans4) == 'C')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 5 - An interface with no fields or methods is known as a \_\_\_\_\_\_.\n" +  
 "\n" +  
 "A.Runnable Interface\n" +  
 "B.Marker Interface\n" +  
 "C.Abstract Interface\n" +  
 "D.CharSequence Interface\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans5 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans5) == 'B')  
 {  
 count+=2;  
 }  
  
 System.*out*.println("The score of Easy level (Java Programming): "+count);  
  
 return count;  
  
 }  
  
 public int AdvanceLevel()  
 {  
  
 int count = 0;  
 System.*out*.println("Ques 1 - Predict the output of following Java Programs.\n" +  
 "class First \n" +  
 "{ \n" +  
 " public First() { System.out.println(\"a\"); } \n" +  
 "} \n" +  
 " \n" +  
 "class Second extends First \n" +  
 "{ \n" +  
 " public Second() { System.out.println(\"b\"); } \n" +  
 "} \n" +  
 " \n" +  
 "class Third extends Second \n" +  
 "{ \n" +  
 " public Third() { System.out.println(\"c\"); } \n" +  
 "} \n" +  
 " \n" +  
 "public class MainClass \n" +  
 "{ \n" +  
 " public static void main(String[] args) \n" +  
 " { \n" +  
 " Third c = new Third(); \n" +  
 " } \n" +  
 "} \n");  
  
 System.*out*.println("Write your answer: ");  
 String ans1 = scan.nextLine();  
  
 if (ans1.toLowerCase().equals("complilation error")){  
 count += 3;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 2 - Predict the output of following Java Programs.\n" +  
 "class First \n" +  
 "{ \n" +  
 " public First() { System.out.printf(\"a\"); } \n" +  
 "} \n" +  
 " \n" +  
 "class Second extends First \n" +  
 "{ \n" +  
 " public Second() { System.out.printf(\"b\"); } \n" +  
 "} \n" +  
 " \n" +  
 "class Third extends Second \n" +  
 "{ \n" +  
 " public Third() { System.out.printf(\"c\"); } \n" +  
 "} \n" +  
 " \n" +  
 "public class MainClass \n" +  
 "{ \n" +  
 " public static void main(String[] args) \n" +  
 " { \n" +  
 " Third c = new Third(); \n" +  
 " } \n" +  
 "} \n");  
  
 System.*out*.println("Write the output of following code: ");  
 String ans2 = scan.nextLine();  
 if (ans2.toLowerCase().equals("abc")){  
 count += 3;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
 System.*out*.println("Ques 3 - What is the output of the following program?\n" +  
 "class First \n" +  
 "{ \n" +  
 " int i = 10; \n" +  
 " \n" +  
 " public First(int j) \n" +  
 " { \n" +  
 " System.out.print(i); \n" +  
 " this.i = j \* 10; \n" +  
 " } \n" +  
 "} \n" +  
 " \n" +  
 "class Second extends First \n" +  
 "{ \n" +  
 " public Second(int j) \n" +  
 " { \n" +  
 " super(j); \n" +  
 " System.out.print(i); \n" +  
 " this.i = j \* 20; \n" +  
 " } \n" +  
 "} \n" +  
 " \n" +  
 "public class MainClass \n" +  
 "{ \n" +  
 " public static void main(String[] args) \n" +  
 " { \n" +  
 " Second n = new Second(20); \n" +  
 " System.out.print(n.i); \n" +  
 " } \n" +  
 "} \n");  
  
 System.*out*.println("Write the output of following code: ");  
 String ans3 = scan.nextLine();  
 if (ans3.toLowerCase().equals("10200400")){  
 count += 3;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 4 - What is the output of the following program?\n" +  
 " class Derived \n" +  
 "{ \n" +  
 " protected final void getDetails() \n" +  
 " { \n" +  
 " System.out.println(\"Derived class\"); \n" +  
 " } \n" +  
 "} \n" +  
 " \n" +  
 "public class Test extends Derived \n" +  
 "{ \n" +  
 " protected final void getDetails() \n" +  
 " { \n" +  
 " System.out.println(\"Test class\"); \n" +  
 " } \n" +  
 " public static void main(String[] args) \n" +  
 " { \n" +  
 " Derived obj = new Derived(); \n" +  
 " obj.getDetails(); \n" +  
 " } \n" +  
 "} \n"+  
 "A. Derived class\n" +  
 "B. Test class\n" +  
 "C. Runtime error\n" +  
 "D. Compilation error\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans4 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans4) == 'D')  
 {  
 count+=3;  
 }  
  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
 System.*out*.println("Ques 5 - What is the output of the following program?\n" +  
 "Class Helper \n" +  
 "{ \n" +  
 " private int data; \n" +  
 " private Helper() \n" +  
 " { \n" +  
 " data = 5; \n" +  
 " } \n" +  
 "} \n" +  
 "public class Test \n" +  
 "{ \n" +  
 " public static void main(String[] args) \n" +  
 " { \n" +  
 " Helper help = new Helper(); \n" +  
 " System.out.println(help.data); \n" +  
 " } \n" +  
 "} \n" +  
 "A. Compilation error\n" +  
 "B. 5\n" +  
 "C. Runtime error\n" +  
 "D. None of these\n");  
  
 System.*out*.println("Enter your answer: ");  
 char ans5 = scan.next().charAt(0);  
 if (Character.*toUpperCase*(ans5) == 'A')  
 {  
 count+=3;  
 }  
  
 System.*out*.println("The score of Advance level (Java Programming): "+count);  
 return count;  
 }  
  
}

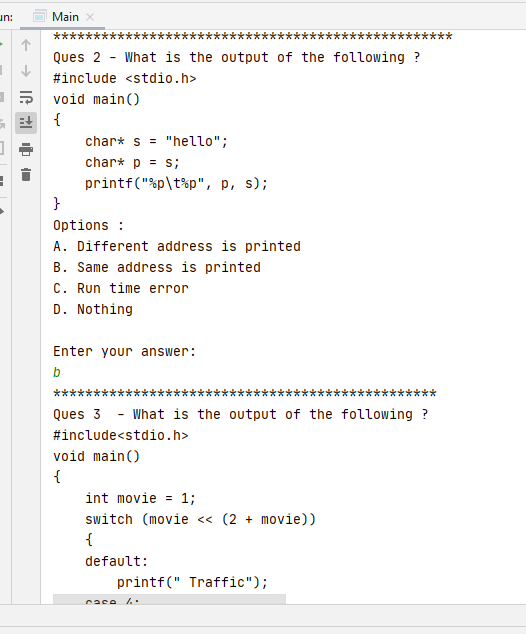


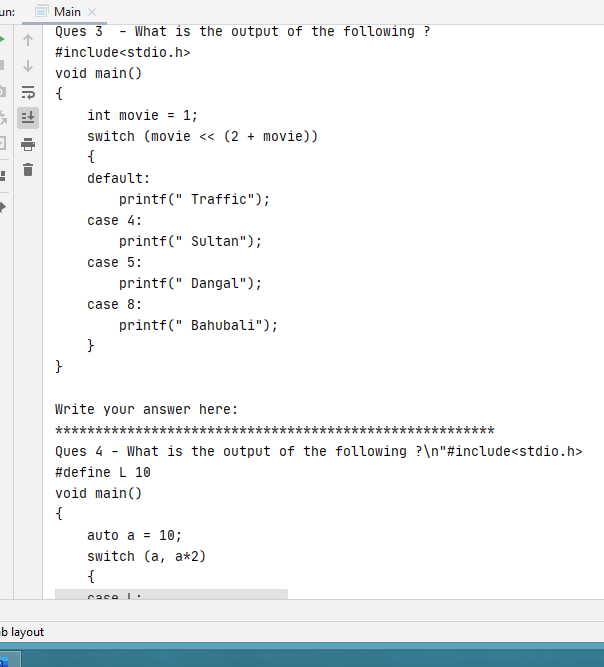


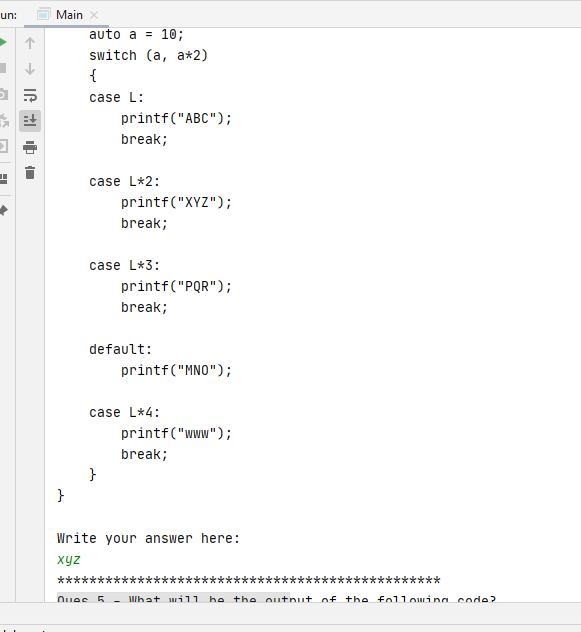


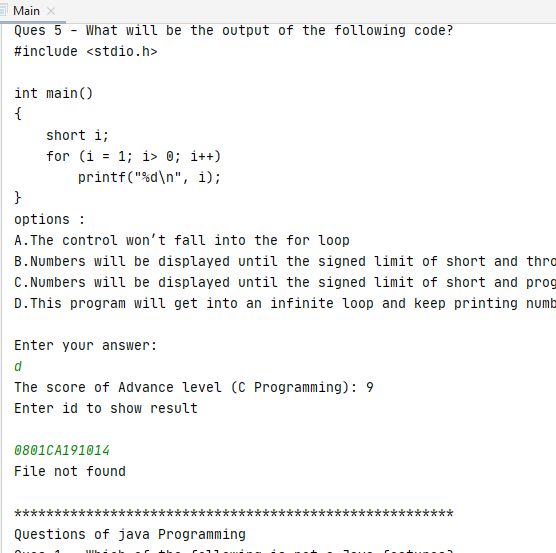


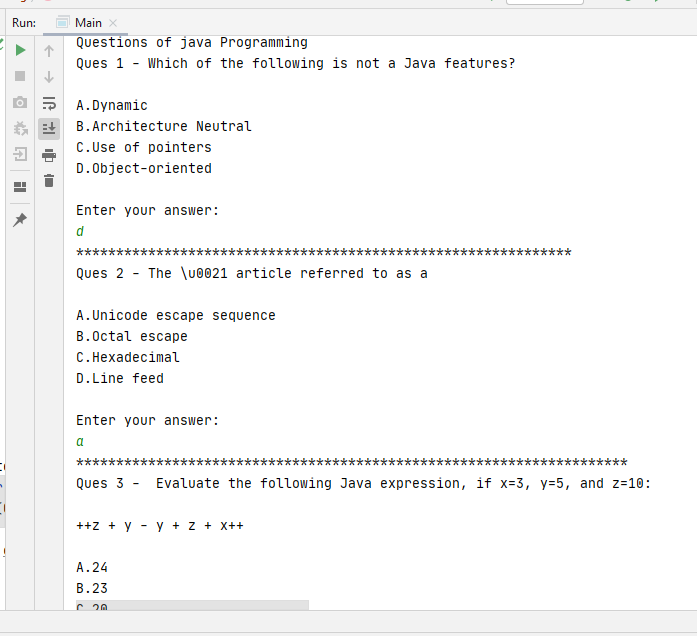


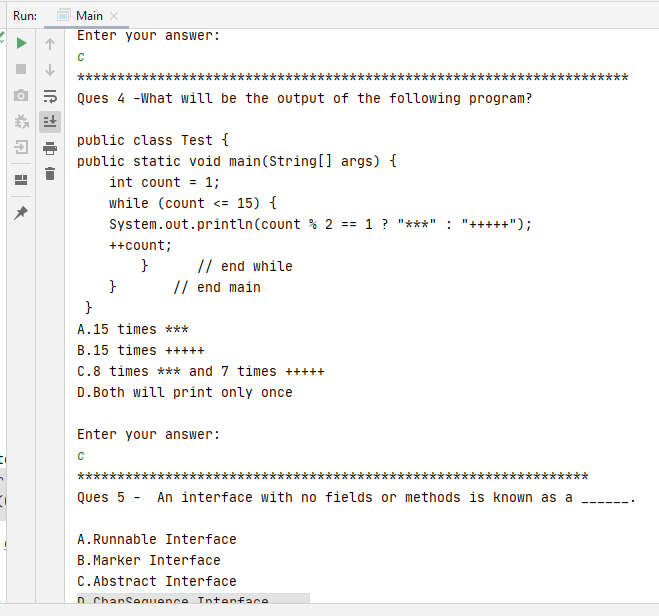


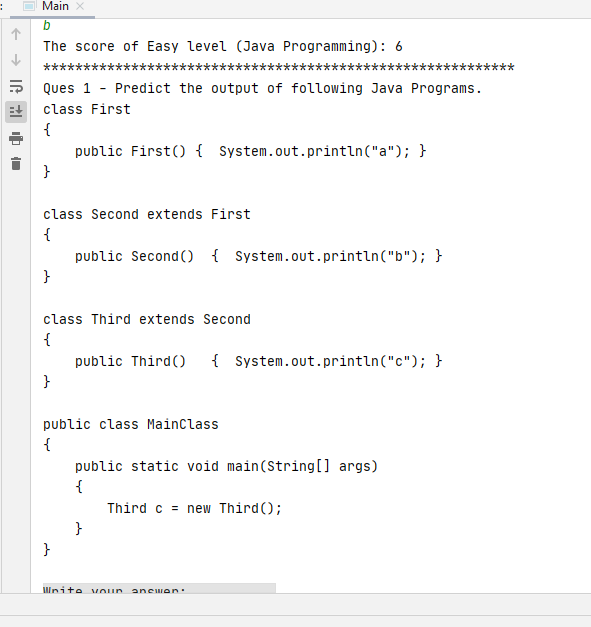


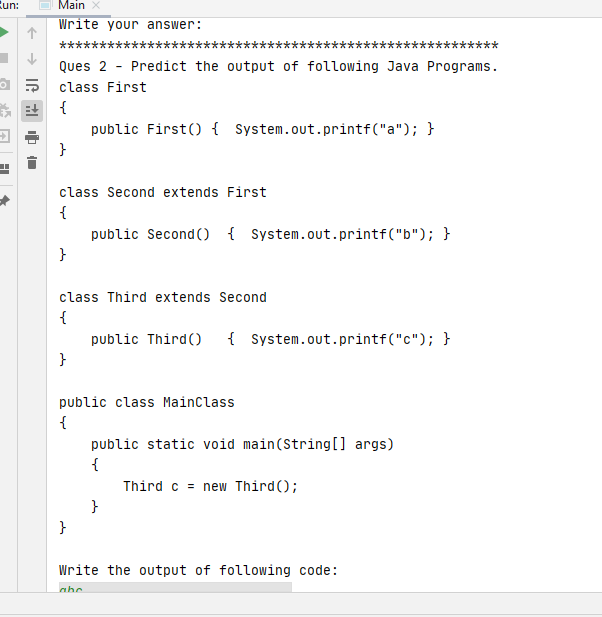


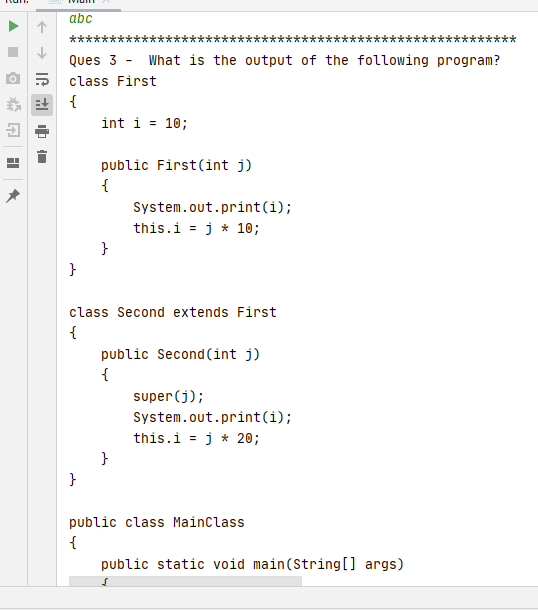


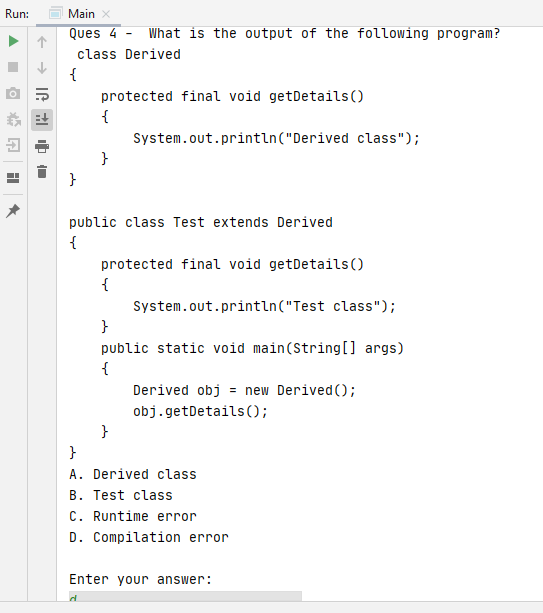


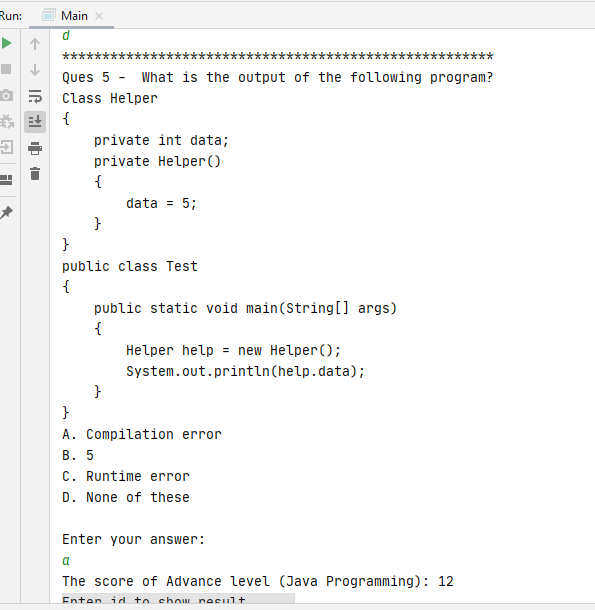


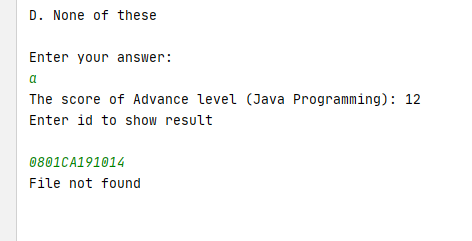












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