



“Quiz Managemet System”

In Java

Ansari Arif(3117001)

Memon Shaziya(3117026)

Mishra Saloni(3117027)

Second Year Computer Engineering(Sem-III)

Supervisor

Prof. Fatima Ansari

Department of Computer Engineering

M. H. Saboo Siddik College of Engineering

8,Saboo Siddik Polytechnic Road, New Nagpada, Byculla,

Mumbai,Maharashtra 400008

2018

Index

Sr. No.	Topic
1.	Problem Statement
2.	Aim
3.	Objectives
4.	code
5.	Output
6.	conclusion
7.	Future Scope
8.	Reference

Problem Definition:

Program :Quiz Management System in Java

- The QUIZ is a web application for to take online test in an efficient manner and no time wasting for checking the paper.
- The main objective of ONLINE QUIZ is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results. For students they give papers according to their convenience and time and there is no need of using extra thing like paper, pen etc.
- This can be used in educational institutions as well as in corporate world. Can be used anywhere any time as it is a web based application(user location doesn't matter).
- No restriction that examiner has to be present when the candidate takes the test.

Aim:

The **Quiz is a web application** for candidate to appear for an online test in an effective way and there is no loss of time to check the paper. The chief aim of Online Quiz is to effectively estimate the candidate completely via a totally automated system which besides preserving time, offers swifter outcomes. Generally, pupil are provided with paper, pen etc for taking the test but the Online Quiz doesn't require all these.

This application is fundamentally developed in WordPress, which is a web software that can be employed to develop a wonderful website or a blog. The advantage of this software is that it is free as well as costless.

It is good source of interactivities among students and between the teacher and students. It is done in order to improve student's comprehension levels and learning motivation. As one of their tools, online test tools are quite effective. However, in order to use the online test tool, a teacher is generally required a great deal of labor.

For example, a teacher needs to create quizzes and input them in the online test tool.

In order to solve these problems, we have developed a Web-based online test system which can create quizzes competitively and collaboratively by students for the purpose of reducing the load required for a teacher and promoting interactions among students and between the teacher and students.

Objectives:

It provides a common platform to connect student and teacher online. The registered teacher can create Quiz and student can take quiz and can assess himself/herself.

- ❖ Secure
- ❖ Easy to use
- ❖ Reliable and accurate
- ❖ No need of examiner

Object and class in Java

Object is the physical as well as logical entity where as class is the only logical entity.

Class: Class is a blue print which is containing only list of variables and method and no memory is allocated for them. A class is a group of objects that has common properties.

A class in java contains:

- Data Member
- Method
- Constructor
- Block
- Class and Interface

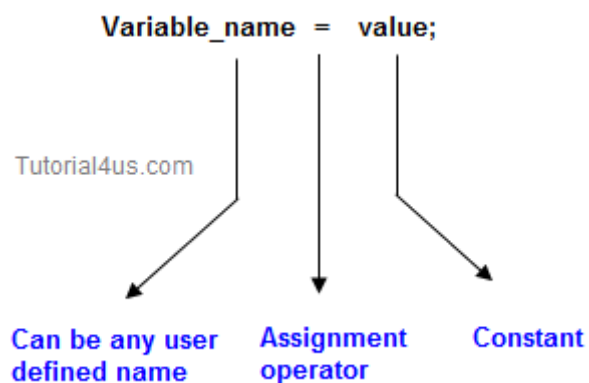
Object: Object is a instance of class, object has state and behaviors.

An Object in java has three characteristics:

- State
- Behavior
- Identity

Variable Declaration Rules in Java

Variable is an identifier which holds data or another one variable is an identifier whose value can be changed at the execution time of program. Variable is an identifier which can be used to identify input data in a program.



Rules to declare a Variable

- Every variable name should start with either alphabets or underscore (_) or dollar (\$) symbol.
- No space are allowed in the variable declarations.
- Except underscore (_) no special symbol are allowed in the middle of variable declaration
- Variable name always should exist in the left hand side of assignment operators.
- Maximum length of variable is 64 characters.
- No keywords should access variable name.

Program

```
//import scanner
import java.util.Scanner;
public class Quiz1
{
    //main method
    public static void main(String[] args) {
        //variable
        int choices;
        int x;
        int b;
        int d;
        int c;
        int e;
        int ans=0;
        String name;
        int sno;
        // String name = null;
        //scanner for input options
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter your name");
        name=scan.nextLine();
        System.out.println("Enter your Seat No.");
        sno=scan.nextInt();
        System.out.println("***** Welcome To Aptitude Test *****");
        System.out.println("INSTRUCTIONS");
        System.out.println("1. Attempt all Question");
        System.out.println("2. There is no negative marking");
        System.out.println("#include<stdio.h>\n" +
"\n" +
"main() \n" +
"{\n" +
"  short unsigned int i = 0; \n" +
"  \n" +
"  printf(\"%u\\n\", i--);\n" +
```

```
"}");

//choose singer from these 4 options
System.out.println("Choose 1 for 0 \nChoose 2 for Compile error
\nChoose 3 for 35535 \nChoose 4 for 32767");
x = scan.nextInt();
```

```
if (x != 1) {
    //if select wrong options
    System.out.println("Your answer is incorrect .");
}
```

```
{
    while (x== 1) {
        //selected right option
        System.out.println("Congrate you answer is correct");
        x++;
        ans++;
    }
    System.out.println();
}
```

```
System.out.println("What is the use of final keyword in Java?");
```

```
//choose singer from these 4 options
System.out.println("Choose 1 for When a class is made final, a
subclass of it can not be created. \nChoose 2 for When a method is final,
it can not be overridden.. \nChoose 3 for When a variable is final, it can
be assigned value only once.\nChoose 4 for All of the above");
b = scan.nextInt();
```

```
if (b != 4) {
    System.out.println("Your answer is incorrect ");
}
```



```

    }

    {
        while (b == 4) {
            System.out.println("Congrate you answer is correct ");
            b++;
            ans++;
        }
        System.out.println();
    }
    //name the singer of this song
    System.out.println(" Which of the following is not OOPS concept in
Java?");

    //choose singer from these 4 options
    System.out.println("Choose 1 for Inheritance \nChoose 2 for
Encapsulation \nChoose 3 for Polymorphism \nChoose 4 for
Compilation");
    c = scan.nextInt();

    if (c != 4) {
        System.out.println("Your answer is incorrect ");
    }

    {
        while (c == 4) {
            //display congrate message for right answer
            System.out.println("Congrate you answer is correct");
            c++;
            ans++;
        }
        System.out.println();
    }

    //display Question

```

```
System.out.println("When does method overloading is  
determined?");
```

```
//choose singer from these 4 options  
System.out.println("Choose 1 for At run time \nChoose 2 for At  
compile time \nChoose 3 for At coding time \nChoose 4 for At execution  
time");  
d = scan.nextInt();
```

```
if (d != 2) {  
    //display congrate message for incorrect answer  
    System.out.println("Your answer is incorrect ");  
}  
  
{  
    while (d == 2) {  
        //display congrate message for right answer  
        System.out.println("Congrate you answer is correct");  
        d++;  
        ans++;  
    }  
    System.out.println();  
}  
//name of a singer  
System.out.println(" Which component is responsible for converting  
bytecode into machine specific code?");
```

```
//choose singer from these 4 options  
System.out.println("Choose 1 for JVM \nChoose 2 for JDK. \nChoose  
3 for JIT \nChoose 4 for JRE.");  
e = scan.nextInt();  
if (e != 1) {  
    System.out.println("Your answer is incorrect Salena Gomez is the  
right answer.");  
}  
{  
    //using while loop
```

```
while (e == 1) {  
    //display congrats message for right answer  
    System.out.println("Congrats you answer is correct");  
    //stop repeating  
    e++;  
    ans++;  
} //stop repeating  
System.out.println();  
}
```

```
System.out.println("**SCORE CARD**");  
System.out.println("Student Name:"+name);  
System.out.println("Seat No."+sno);  
System.out.println("Your score is");  
System.out.println(ans);  
if(ans>=3)  
{  
    System.out.println("CONGRATULATION!!!");  
    System.out.println("KEEP IT UP!!!");  
}  
  
}  
  
}
```

Output

```
Command Prompt - java Quiz1
Microsoft Windows [Version 10.0.17134.345]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Shaziya>cd /

C:\>path=C:\Program Files (x86)\Java\jdk1.8.0_151\bin

C:\>cd sem_3_java

C:\sem_3_java>javac Quiz1.java

C:\sem_3_java>java Quiz1
Enter your name
SHAZIYA
Enter your Seat No.
3117026
```

```
***** Welcome To Aptitude Test *****
INSTRUCTIONS
1. Attempt all Question
2. There is no negative marking
#include<stdio.h>

main()
{
    short unsigned int i = 0;

    printf("%u\n", i--);
}
Choose 1 for 0
Choose 2 for Compile error
Choose 3 for 35535
Choose 4 for 32767
1
Congrate you answer is correct
```

```
What is the use of final keyword in Java?  
Choose 1 for When a class is made final, a subclass of it can not be created.  
Choose 2 for When a method is final, it can not be overridden..  
Choose 3 for When a variable is final, it can be assigned value only once.  
Choose 4 for All of the above
```

```
4
```

```
Congrate you answer is correct
```

```
Which of the following is not OOPS concept in Java?
```

```
Choose 1 for Inheritance
```

```
Choose 2 for Encapsulation
```

```
Choose 3 for Polymorphism
```

```
Choose 4 for Compilation
```

```
2
```

```
Your answer is incorrect
```

```
**SCORE CARD**
```

```
Student Name:SHAZIYA
```

```
Seat No.3117026
```

```
Your score is
```

```
4
```

```
CONGRATULATION!!!
```

```
KEEP IT UP!!!
```

```
C:\sem_3_java>
```

Conclusion

WORK DONE!!!

- The **project** was successfully designed and is tested for accuracy and quality.
- During this project I have accomplished all the objectives and
- this project meets the needs of the organization . The developed
- will be used in searching , retrieving and generating information
- for the concerned requests.

Future Scope

This project has a wide scope as it is better than the manual tests. Following are some of its advantages:

- Both educational organizations and corporate companies can employ this Quiz.
- It, being an application based on web may be taken at any place or any time as the location is not considered.
- The presence of the examiner is not required while the candidate is appearing for the test.

Benefits:

- For web surfers, Online Quiz acts as a popular way of recreation. It is free of cost and meant for entertainment and they also give prizes. Online Quiz is organized to examine the wisdom or identify a person's characteristics. Most of the companies employ online quiz as an effective manner of examining a prospective employee's wisdom without that person's personal presence.
- Scope of this project is very broad in terms of other manually taking exams. Few of them are:-
 -
 - This can be used in educational institutions as well as in corporate world.
 - Can be used anywhere any time as it is a web based application (user location doesn't matter).
 -
 - No restriction that examiner has to be present when the candidate takes the test.

Reference

www.wikipedia.org

www.tutorialspoint.com

www.javatpoint.com

www.greeksforgreeks.org