THINKNEXT TECHNOLOGY PRIVATE LIMITED

S.c.f. 113, Sector-65, Mohali, Punjab 160062

PROJECT NAME: ONLINE JAVA TEST

MADE BY:

NAME: Aditya Vishwakarma

COLLEGE: Chandigarh Group of colleges-jhanjheri(140307)

COURSE: B.Tech Artificial Intelligence and Machine Learning

TRAINING COUSE: Core Java

SUBMITTED TO:

Kanika Abrol(Trainer)

CERTIFICATE

This is to certify that the project is titled ONLINE JAVA TEST . This project is submitted by ADITYA VISHWAKARMA. THINKNEXT PVT. LTD. in fulfillment of the requirements for CORE JAVA. This project was an authentic work done by him under my supervision and guidance.

KANIKA ABROL

THINKNEXT TECHNOLOGY PRIVATE LIMITED.

Sign:>...................................

ACKNOWLEGEMENT

ABSTRACT

Online Java Test project includes ten question in which each questions carry one marks. Each question having four option in which you have to choose correct one so that you can earn one point and if you choose wrong one no points will be add.

It helps students and teacher, teacher may easily check the result of all students and one more thing is it have bookmark option for you.

INTRODUCTION

JAVA was developed by James Gosling at **Sun Microsystems** Inc. in the year **1995** and later acquired by Oracle Corporation. It is a simple programming language. Java makes writing, compiling, and debugging programming easy. It helps to create reusable code and modular programs. Java is a class-based, object-oriented programming language and is designed to have as few implementation dependencies as possible. A general-purpose programming language made for developers to *write once run anywhere* that is compiled Java code can run on all platforms that support Java. Java applications are compiled to byte code that can run on any Java Virtual Machine. The syntax of Java is similar to c/c++.

PROJECT AIMS AND OBJECTIVES

The project aims and objectives that will be achieved after completion of this project are discussed in this subchapter. The aims and objectives are as follows:

• Advance and paper free test.

• Easy to operate.

• Easy for teacher to check result.

• Students can learn more.

BACKGROUND OF PROJECT

Online Java Test project includes ten question in which each questions carry one marks. Each question having four option in which you have to choose correct one so that you can earn one point and if you choose wrong one no points will be add.

It helps students and teacher, teacher may easily check the result of all students and one more thing is it have bookmark option for you.

You can update questions according to yourself. It is totally computerized.

PROCESSOR	INTEL CORE PROCESSOR OR BETTER PERFORMANCE
OPERATING SYSTEM	WINDOWS VISTA ,WINDOWS7, window 8,window 10

MEMORY	1GB RAM OR MORE
HARD DISK SPACE	MINIMUM 3 GB FOR DATABASE USAGE FOR FUTURE

SOFTWARE AND HARDWARE

REQUIREMNETS

SOFTWARE:-

- Operating system- Windows 7 is used as the operating system as it is stable and supports more features and is more user friendly.

HARDWARE :-

Intel core i5 2 generation is used as a processor

because it is fast than other processors a provide

reliable and stable and we can run our pc for longtime.

By using this processor we can keep on developing our

 project without any worries.

Ram 1 GB is used as it will provide fast reading and

Writing capabilities and will in turn support in processing.

MAIN PROGRAM SOURCE CODE

```java
import java.awt.*;

import java.awt.event.*;

import javax.swing.*;


class OnlineTest extends JFrame implements ActionListener
{
    JLabel l;

    JRadioButton jb[]=new JRadioButton[5];

    JButton b1,b2;

    ButtonGroup bg;

    int count=0,current=0,x=1,y=1,now=0;

    int m[]=new int[10];

    OnlineTest(String s)
    {
        super(s);
        l=new JLabel();
        add(l);
```

```java
bg=new ButtonGroup();

for(int i=0;i<5;i++)

{

    jb[i]=new JRadioButton();

    add(jb[i]);

    bg.add(jb[i]);

}

b1=new JButton("Next");

b2=new JButton("Bookmark");

b1.addActionListener(this);

b2.addActionListener(this);

add(b1);add(b2);

set();

l.setBounds(30,40,450,20);

jb[0].setBounds(50,80,100,20);

jb[1].setBounds(50,110,100,20);

jb[2].setBounds(50,140,100,20);

jb[3].setBounds(50,170,100,20);
```

```java
        b1.setBounds(100,240,100,30);

        b2.setBounds(270,240,100,30);

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        setLayout(null);

        setLocation(250,100);

        setVisible(true);

        setSize(600,350);

    }

    public void actionPerformed(ActionEvent e)

    {

        if(e.getSource()==b1)

        {

            if(check())

                count=count+1;

            current++;

            set();

            if(current==9)

            {
```

```java
            b1.setEnabled(false);

            b2.setText("Result");

        }

    }

    if(e.getActionCommand().equals("Bookmark"))

    {

        JButton bk=new JButton("Bookmark"+x);

        bk.setBounds(480,20+30*x,100,30);

        add(bk);

        bk.addActionListener(this);

        m[x]=current;

        x++;

        current++;

        set();

        if(current==9)

            b2.setText("Result");

        setVisible(false);

        setVisible(true);
```

```java
            }
        for(int i=0,y=1;i<x;i++,y++)
        {
        if(e.getActionCommand().equals("Bookmark"+y))
        {
            if(check())
                count=count+1;
            now=current;
            current=m[y];
            set();
            ((JButton)e.getSource()).setEnabled(false);
            current=now;
        }
        }


        if(e.getActionCommand().equals("Result"))
        {
            if(check())
```

```java
            count=count+1;

        current++;

        //System.out.println("correct ans="+count);

        JOptionPane.showMessageDialog(this,"correct
ans="+count);

        System.exit(0);

    }

  }

  void set()

  {

    jb[4].setSelected(true);

    if(current==0)

    {

      l.setText("Que1: Who is the father of JAVA?");

      jb[0].setText("Guido van Rossum");jb[1].setText("James
Gosling");jb[2].setText("Dennis Ritchie");jb[3].setText("Ken
Thompson");

    }

    if(current==1)
```

```java
    {
        l.setText("Que2: When was java developed?");

        jb[0].setText("May 1994");jb[1].setText("May
1996");jb[2].setText("May 1995");jb[3].setText("May 1998");

    }

    if(current==2)

    {
        l.setText("Que3: Which package is directly available to
our class without importing it?");

jb[0].setText("swing");jb[1].setText("applet");jb[2].setText("net
");jb[3].setText("lang");

    }

    if(current==3)

    {
        l.setText("Que4: String class is defined in which
package?");

jb[0].setText("lang");jb[1].setText("Swing");jb[2].setText("Apple
t");jb[3].setText("awt");
```

```java
		}

	if(current==4)

	{

		l.setText("Que5: Find output of given code?char String=I;
int a=21; S.O.P(a); S.O.P(String);");

		jb[0].setText("I 24");jb[1].setText("Error");jb[2].setText("
24 I");jb[3].setText("none");

	}

	if(current==5)

	{

		l.setText("Que6: Which one among these is not a
keyword?");

jb[0].setText("class");jb[1].setText("int");jb[2].setText("get");jb[
3].setText("if");

	}

	if(current==6)

	{

		l.setText("Que7: Which one among these is not a class?
");
```

```java
jb[0].setText("Swing");jb[1].setText("Actionperformed");jb[2].se
tText("ActionEvent");

            jb[3].setText("Button");

    }

    if(current==7)

    {

        l.setText("Que8: which one among these is not a
function of Object class?");


jb[0].setText("toString");jb[1].setText("finalize");jb[2].setText("
equals");

            jb[3].setText("getDocumentBase");

    }

    if(current==8)

    {

        l.setText("Que9: which function is not present in Applet
class?");


jb[0].setText("init");jb[1].setText("main");jb[2].setText("start");j
b[3].setText("destroy");
```

```java
        }
    if(current==9)
    {
        l.setText("Que10: Which one among these is not a valid component?");

jb[0].setText("JButton");jb[1].setText("JList");jb[2].setText("JButtonGroup");

                jb[3].setText("JTextArea");
    }
    l.setBounds(30,40,450,20);
    for(int i=0,j=0;i<=90;i+=30,j++)
        jb[j].setBounds(50,80+i,200,20);
}
boolean check()
{
    if(current==0)
        return(jb[1].isSelected());
    if(current==1)
```

```
            return(jb[2].isSelected());
    if(current==2)

        return(jb[3].isSelected());

    if(current==3)

        return(jb[0].isSelected());

    if(current==4)

        return(jb[2].isSelected());

    if(current==5)

        return(jb[2].isSelected());

    if(current==6)

        return(jb[1].isSelected());

    if(current==7)

        return(jb[3].isSelected());

    if(current==8)

        return(jb[1].isSelected());

    if(current==9)

        return(jb[2].isSelected());
    return false;
```

```java
        }

    public static void main(String s[])

    {

        new OnlineTest("Online Test Of Java");

    }

}
```

TESTING OF PROGRAM

1) DISPLAY OF QUESTIONS

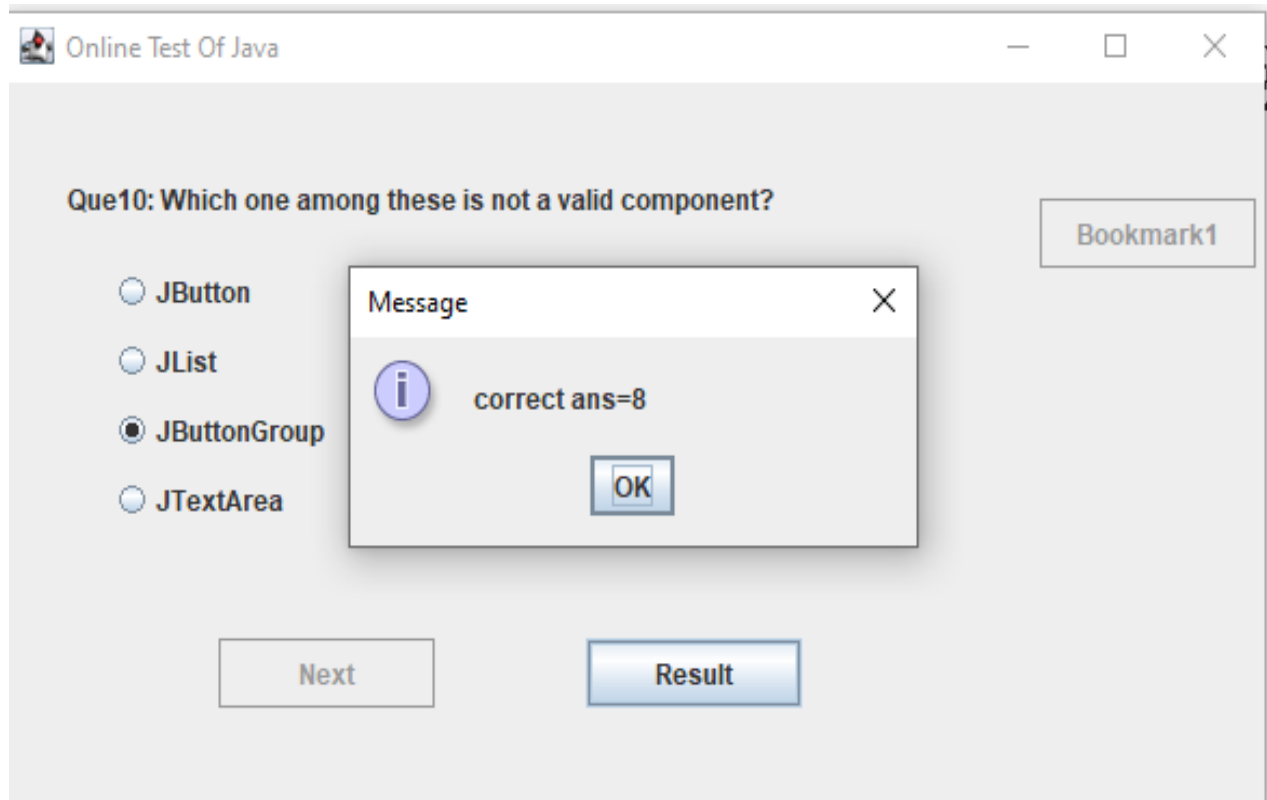
Online Test Of Java   — ☐ ✕

Que1: Who is the father of JAVA?

○ Guido van R...

○ James Gos...

○ Dennis Ritc...

○ Ken Thomp...

[Next]   [Bookmark]

2) ADDING TO BOOKMARK

Online Test Of Java

Que2: When was java developed?

Bookmark1

○ May 1994

○ May 1996

○ May 1995

○ May 1998

Next   Bookmark

3) RESULT SHOW

REFERENCES

- WWW.GOOGLE.COM

- WWW.JAVATPOINT.COM