

## ASSIGNMENT

### DAY-5

#### 1) Make a Quiz Application.

##### CODE

##### Questions.java

```
package com.QuizApplication;

import java.util.Scanner;

public class Questions {
    Scanner sc=new Scanner(System.in);
    String question,option1,option2,option3,option4;
    int correct_ans,user_ans;

    public boolean askQuestion()
    {
        System.out.println(question);
        System.out.println("1. "+option1);
        System.out.println("2. "+option2);
        System.out.println("3. "+option3);
        System.out.println("4. "+option4);
        System.out.println("Please choose an option: ");
        user_ans=sc.nextInt();
        if(user_ans==correct_ans)
        {
            return true;
        }
        return false;
    }
}
```

##### Player.java

```
package com.QuizApplication;

import java.util.Scanner;

public class Player {
    Scanner sc=new Scanner(System.in);
    String name;
    int score=0;

    public void getDetails()
    {
        System.out.println("Enter Player name: ");
        name=sc.nextLine();
    }
}
```

## Game.java

```

package com.QuizApplication;

public class Game {
    Questions[] questions=new Questions[10];
    Player player=new Player();

    String[] questionsdata = {"Brass gets discoloured in air
because of the presence of which of the following gases in air?",
    "what is the closest planet to sun? ",
    "what is the capital of Australia? ",
    "Which of the following is used in pencils?", "Who
is the father of Geometry?",
    "Jude Felix is a famous Indian player in which of
the fields?",
    "Who wrote the famous book - 'We the people'?",
    "Which was the first Indian movie nominated for
Oscar?",
    "Which actor has won the most national awards in
India?",
    "Which film won the award for best film at the
63rd Filmfare Award held 2018?",
    "What is part of a database that holds only one
type of information?"};

    String[] option1 = {"Oxygen", "Earth",
    "Sydney", "Graphite", "Aristotle", "Volleyball", "T.N.Kaul", "
Salaam Bombay",
    "Shah Rukh Khan", "Badrinath Ki Dulhania", "Report"};
    String[] option2 = {"Hydrogen sulphide",
    "Venus", "Melbourne", "Silicon", "Euclid", "Tennis", "J.R.D.
Tata", "Lagaan", " Amitabh Bachchan", "Hindi
Medium", "Field"};
    " Amitabh Bachchan", "Hindi Medium", "Field"};
    String[] option3 = {"Carbon dioxide", "Mercury",
    "Perth", "Charcoal", "Pythagoras", "Football", "Khushwant
Singh", "Mother India", "Aamir Khan", "Bareilly Ki
Barfi", "Record"};
    String[] option4 = {"Nitrogen", "Jupiter",
    "Canberra", "Phosphorous", "Kepler", "Hockey", "Nani
Palkhivala", "None of these", "None of these", "None of
these", "File"};
    int[] answers = {2,3,4,1,2,4,3,2,2,2};

    public void initGame() {

        for(int i=0;i<10;i++)
        {

            questions[i]=new Questions();
        }

        for(int i=0;i<10;i++)
        {
            questions[i].question=questionsdata[i];

```

```

        questions[i].option1=option1[i];
        questions[i].option2=option2[i];
        questions[i].option3=option3[i];
        questions[i].option4=option4[i];
        questions[i].correct_ans=answers[i];
    }
}
public void play()
{
    player.getDetails();
    for(int i=0;i<10;i++)
    {
        boolean status=questions[i].askQuestion();
        if(status==true)
        {
            System.out.println("Well Played!!");
            player.score=player.score+5;
        }
        else
        {
            System.out.println("Better luck next time!!");
            player.score=player.score-5;
        }
    }
    System.out.println(player.name+" your score is
:"+player.score);
}
}

```

## Main.java

```

package com.QuizApplication;

public class Main {

    public static void main(String[] args) {
        //quiz app
        Game game=new Game();
        game.initGame();
        game.play();
    }
}

```

## OUTPUT:

```
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition
Enter Player name:
Manisha Joshi
Brass gets discoloured in air because of the presence of which of the following gases in air?
1. Oxygen
2. Hydrogen sulphide
3. Carbon dioxide
4. Nitrogen
Please choose an option:
2
Well Played!!
what is the closest planet to sun?
1. Earth
2. Venus
3. Mercury
4. Jupiter
Please choose an option:
3
Well Played!!
what is the capital of Australia?
1. Sydney
2. Melbourne
3. Perth
4. Canberra
Please choose an option:
4
Well Played!!
Which of the following is used in pencils?
1. Graphite
2. Silicon
3. Charcoal
4. Phosphorous
Please choose an option:
1
Well Played!!
Who is the father of Geometry?
1. Aristotle
2. Euclid
3. Pythagoras
4. Kepler
Please choose an option:
2
Well Played!!
Jude Felix is a famous Indian player in which of the fields?
1. Volleyball
2. Tennis
3. Football
4. Hockey
Please choose an option:
4
Well Played!!
```

Who wrote the famous book - 'We the people'?

1. T.N.Kaul
2. J.R.D. Tata
3. Khushwant Singh
4. Nani Palkhivala

Please choose an option:

3

Better luck next time!!

Which was the first Indian movie nominated for Oscar?

1. Salaam Bombay
2. Lagaan
3. Mother India
4. None of these

Please choose an option:

3

Well Played!!

Which actor has won the most national awards in India?

1. Shah Rukh Khan
2. Amitabh Bachchan
3. Aamir Khan
4. None of these

Please choose an option:

2

Well Played!!

Which film won the award for best film at the 63rd Filmfare Award held 2018?

1. Badrinath Ki Dulhania
2. Hindi Medium
3. Bareilly Ki Barfi
4. None of these

Please choose an option:

2

Well Played!!

Manisha Joshi your score is :40

Process finished with exit code 0