**Make the complete Quiz application on your own.**

**Main.java**

**package** myquiz;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Quiz q=**new** Quiz();

q.initGame();

q.play();

}

}

**Student.java**

**package** myquiz;

**import** java.util.Scanner;

**public** **class** Student

{

Scanner sc=**new** Scanner(System.***in***);

String name;

**int** score=0;

**public** **void** getDetails(){

System.***out***.println("Enter your name");

name=sc.next();

}

}

**QuestionSample.java**

**package** myquiz;

**import** java.util.Scanner;

**public** **class** QuestionSample

{

Scanner sc=**new** Scanner(System.***in***);

String question,option1,option2,option3,option4;

**int** correctAnswer,userAnswer;

**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");

userAnswer=sc.nextInt();

**if**(userAnswer==correctAnswer){

**return** **true**;

}

**return** **false**;

}

}

**Quiz.java**

**package** myquiz;

**public** **class** Quiz

{

QuestionSample[] questions=**new** QuestionSample[5];

Student s=**new** Student();

String[] questonsdata={"C++ is ---- oriented programming language?","Who invented the blockchain?","What is Polymorphism?","Who developed Java?","Which of the following is a feature of java"};

String[] options1={"Procedure","Dennis Ritchie","One form","James Gosling","Strong"};

String[] options2={"Object","Guido van Rossum","Two Form","Bill Joy","Procedure oriented"};

String[] options3={"Function","Santoshi Nakamoto","None of these","Bjarne Stroustrup","Robust"};

String[] options4={"Class","Guy Steele","Many Forms","Dennis Ritchie","Easy"};

**int**[] answers={2,3,4,1,3};

**public** **void** initGame()

{

// created three objects

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

questions[i]=**new** QuestionSample();

}

// applying values to the variables of the object

// questions[0].question="Who is the Strongest Avenger?";

// questions[0].option1="";

// questions[0].option2="Thor";

// questions[0].option3="Hulk";

// questions[0].option4="Dr Strange";

// questions[0].correctAnswer=2;

//

// questions[1].question="";

// questions[1].option1="Earth";

// questions[1].option2="Venus";

// questions[1].option3="Mercury";

// questions[1].option4="Jupiter";

// questions[1].correctAnswer=3;

//

// questions[2].question="";

// questions[2].option1="Sydney";

// questions[2].option2="Melbourne";

// questions[2].option3="Perth";

// questions[2].option4="Canberra";

// questions[2].correctAnswer=4;

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

{

questions[i].question=questonsdata[i];

questions[i].option1=options1[i];

questions[i].option2=options2[i];

questions[i].option3=options3[i];

questions[i].option4=options4[i];

questions[i].correctAnswer=answers[i];

}

}

**public** **void** play()

{

s.getDetails();

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

{

**boolean** status=questions[i].askQuestion();

**if**(status==**true**)

{

System.***out***.println("Correct Answer! Well Done!!");

s.score=s.score+5;

}

**else**{

System.***out***.println("Oops..Sorry! Wrong Answer!");

s.score=user.score-5;

}

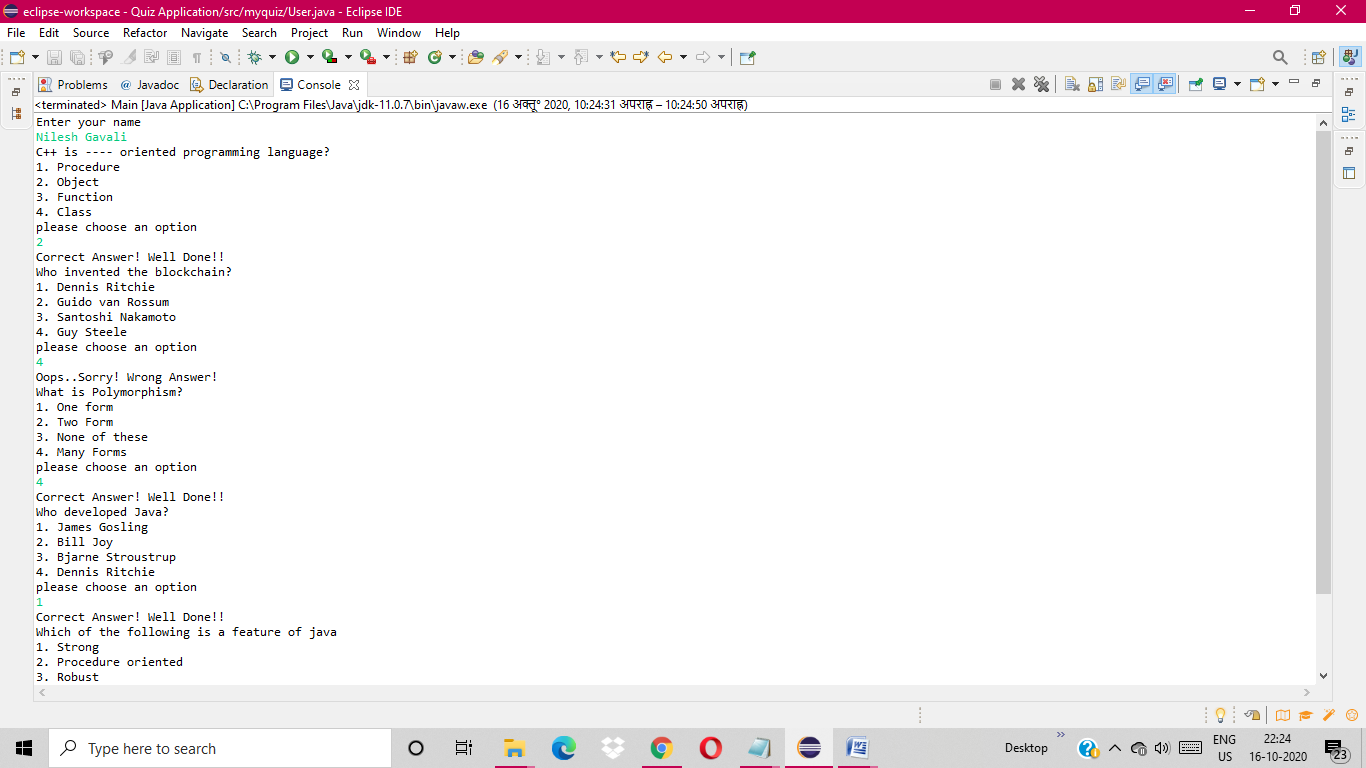
}

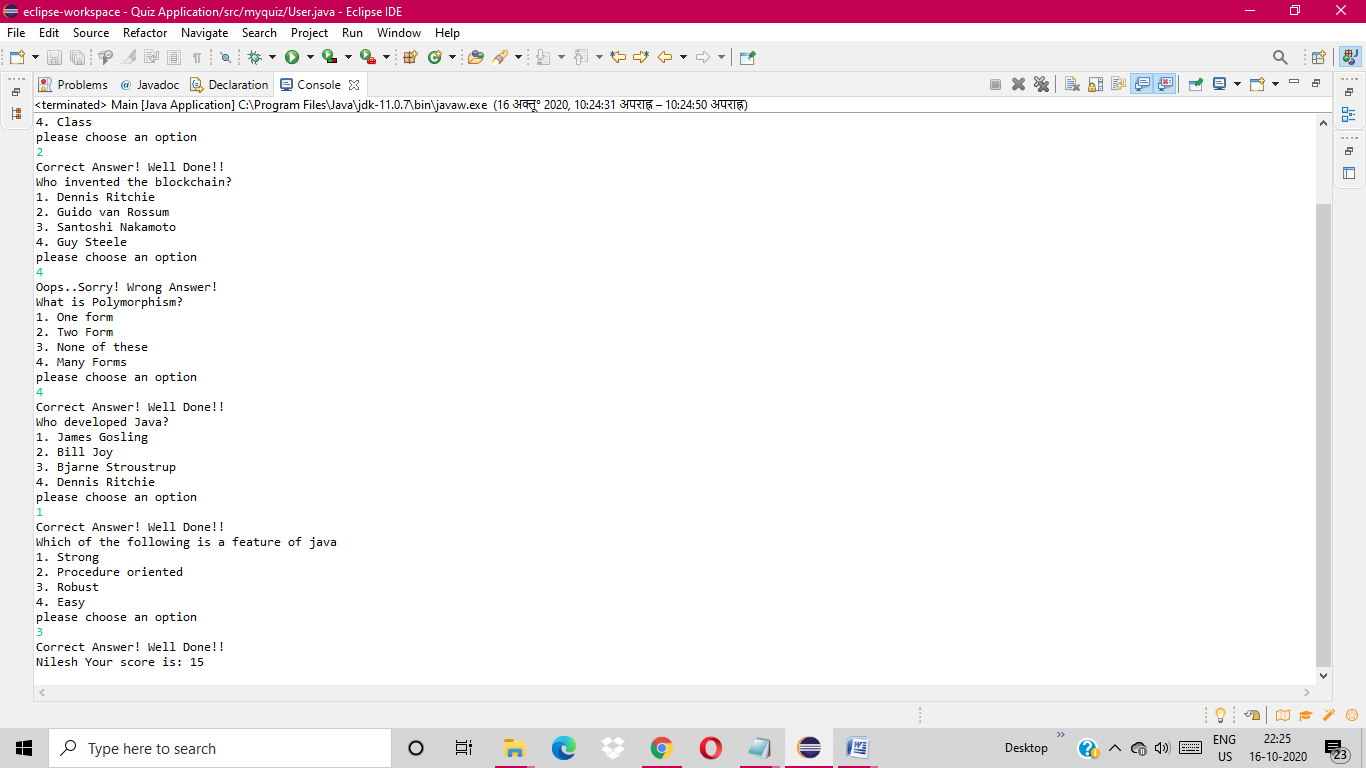
System.***out***.println(s.name+" Your score is: "+s.score);

}

}

**Output:**

****

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