Day 5

**Question:**

 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();

}

}

**// User.java**

**package** myquiz;

**import** java.util.Scanner;

**public** **class** User

{

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

    String name;

**int** score=0;

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

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

        name=sc.next();

    }

}

**//  QuestionSet.java**

**package** myquiz;

**import** java.util.Scanner;

**public** **class** QuestionSet

{

    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

{

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

    User user=**new** User();

    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** QuestionSet();

        }

//         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()

    {

          user.getDetails();

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

          {

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

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

              {

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

                  user.score=user.score+5;

              }

**else**{

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

                  user.score=user.score-5;

              }

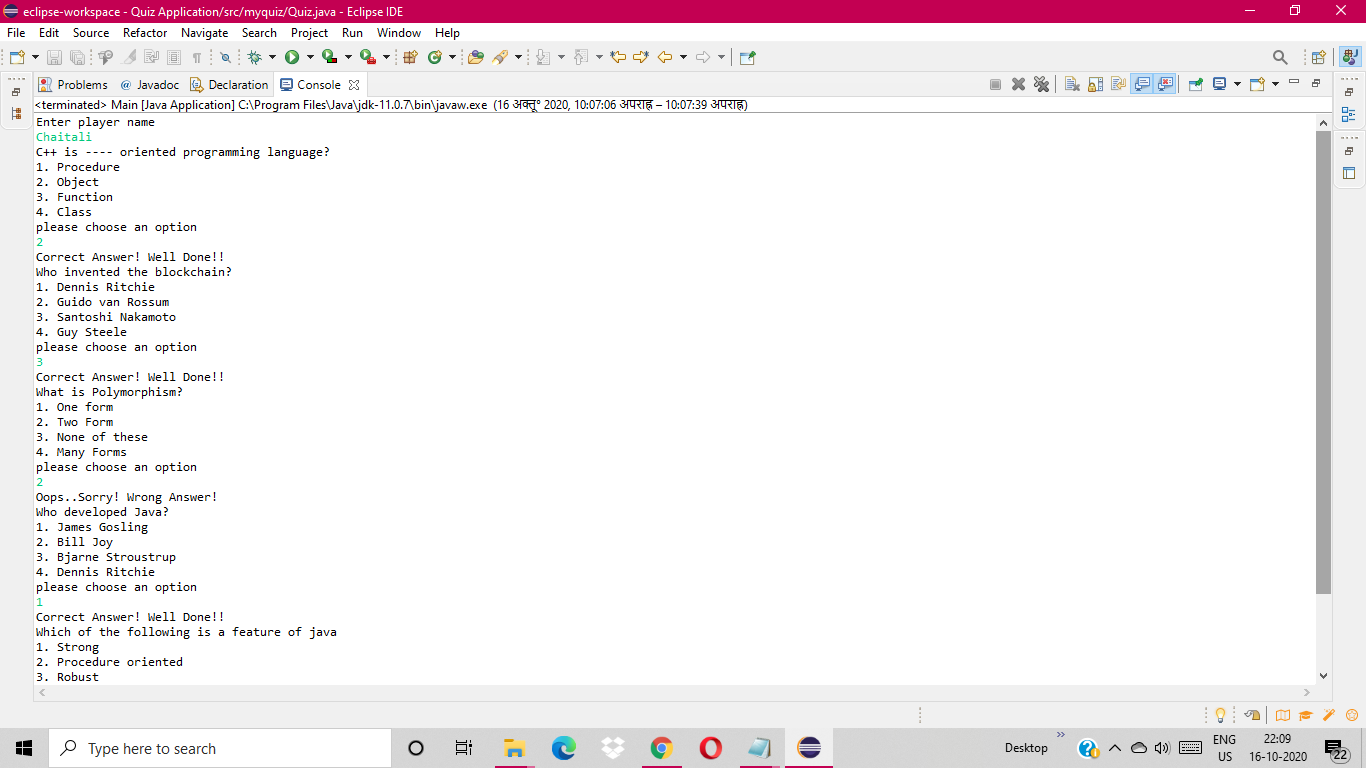
          }

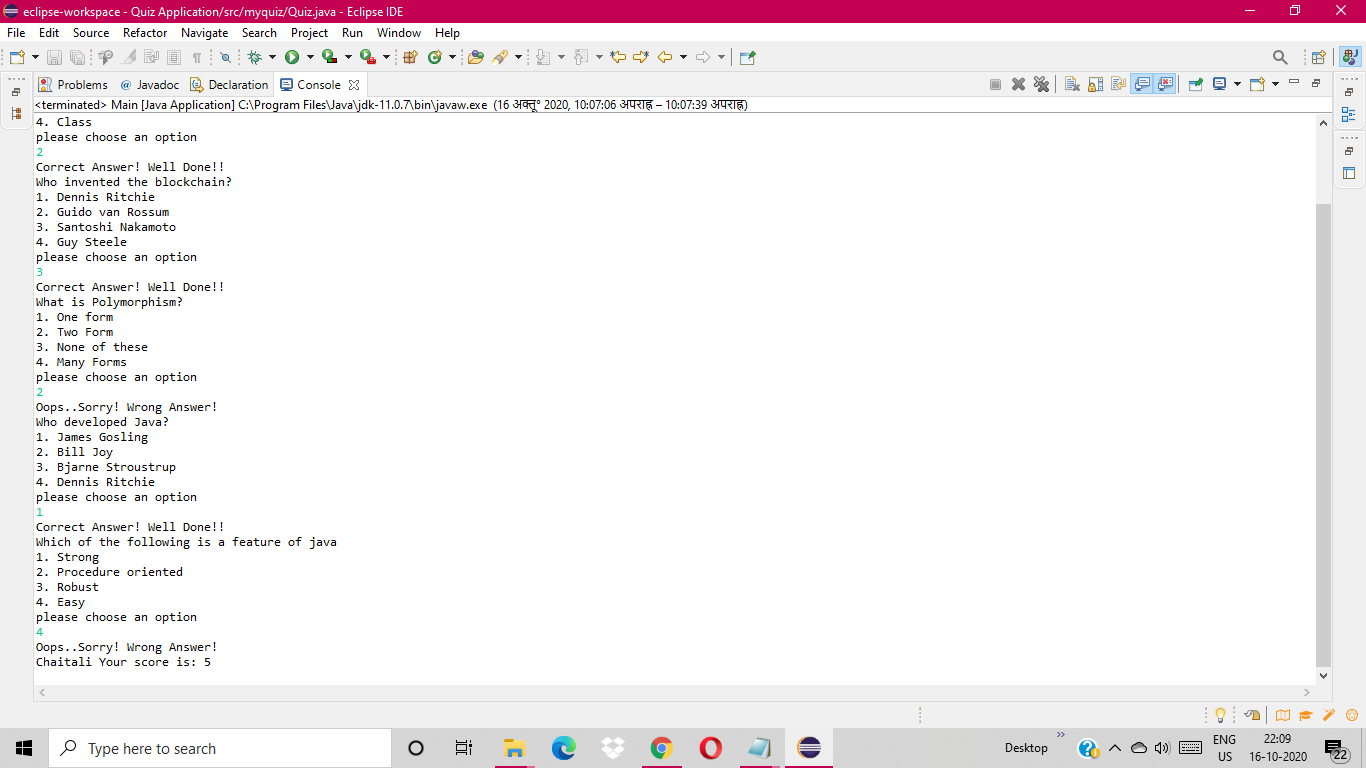
        System.***out***.println(user.name+" Your score is: "+user.score);

    }

}

**Output:**

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