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| --- | --- |
|  | JAVA PROGRAM WITH USE OF Abstract, Packages, Functions  package StudentPackage; |
|  | import java.util.\*; |
|  |  |
|  | class RegisterStudent1 |
|  | { |
|  |  |
|  | void total(int cd) |
|  | { |
|  | int TotalCredits=cd; |
|  | try |
|  | { |
|  | if(TotalCredits>30) |
|  | { |
|  | throw new CreditLimit(TotalCredits); |
|  | } |
|  | else |
|  | { |
|  | System.out.println("The Total credit is:"+TotalCredits); |
|  | } |
|  | } |
|  | catch(Exception e) |
|  | { |
|  | System.out.println("Total Credits is more than 30"); |
|  | } |
|  | } |
|  | } |
|  | class CreditLimit extends Exception |
|  | { |
|  | CreditLimit(int i) |
|  | { |
|  | System.out.println("The Total credit is:"+i); |
|  | } |
|  | } |
|  | public class RegisterStudent { |
|  |  |
|  | static Scanner s; |
|  | public static void main(String[] args) |
|  | { |
|  | s = new Scanner(System.in); |
|  | System.out.println("Enter the total credit:"); |
|  | int c=Integer.parseInt(s.next()); |
|  | RegisterStudent1 r=new RegisterStudent1 (); |
|  | r.total(c); |
|  | } |
|  | } |
|  |  |
|  |  |
|  | Output: |
|  | Enter the total credit: |
|  | 35 |
|  | The Total credit is:35 |
|  | Total Credits is more than 30 |
|  |  |
|  |  |
|  | package ResultPackage; |
|  | import java.io.\*; |
|  | import java.util.Scanner; |
|  | class grade |
|  | { |
|  | String sub1,sub2,sub3; |
|  | Scanner s=new Scanner(System.in); |
|  | void getGrade() |
|  | { |
|  | sub1="A"; |
|  | sub2="A"; |
|  | sub3="S"; |
|  | } |
|  | void display() |
|  | { |
|  | System.out.println("Grade of Registered subject"); |
|  | System.out.println(" Grade of subject1:"+sub1); |
|  | System.out.println(" Grade of subject2:"+sub2); |
|  | System.out.println(" Grade of subject3:"+sub3); |
|  | } |
|  | void cgpa() |
|  | { |
|  | double input; |
|  | Scanner scan = new Scanner(System.in); |
|  | System.out.println("Enter an CGPA: "); |
|  | try |
|  | { |
|  | input = Double.parseDouble(scan.next()); |
|  | if(input > 10) |
|  | System.out.println("Not a valid CGPA!!"); |
|  | else |
|  | System.out.println("CGPA is: " + input); |
|  | } |
|  | catch (NumberFormatException e) |
|  | { |
|  | System.out.println("Not a valid CGPA!!"); |
|  | } |
|  | } |
|  | } |
|  |  |
|  | public class Student { |
|  | public static void main(String[] args) |
|  | { |
|  | grade g=new grade(); |
|  | g.getGrade(); |
|  | g.display(); |
|  | g.cgpa(); |
|  | } |
|  |  |
|  | } |
|  |  |
|  |  |
|  | Output: |
|  | Grade of Registered subject |
|  | Grade of subject1:A |
|  | Grade of subject2:A |
|  | Grade of subject3:S |
|  | Enter an CGPA: |
|  | 9.47 |
|  | CGPA is: 9.47 |
|  |  |
|  | Grade of Registered subject |
|  | Grade of subject1:A |
|  | Grade of subject2:A |
|  | Grade of subject3:S |
|  | Enter an CGPA: |
|  | abk |
|  | Not a valid CGPA!! |
|  |  |