| Roll | No. | : | | |
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| ASSIGNMENT IN | Assis | nment | No. 04 |
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| Assignment No.04 |
|--|
| The territory and the result of the second |
| |
| Q1 Write a code for taking input from user as a |
| de mine a constantion operations uppercase, |
| string and performing operations uppercase, lowercase, also find length & reverse of string. |
| lowercase, also that length s |
| Code:- |
| import java.util. Scanners |
| public class String |
| LGLASTERS TSAARSC GISH FUE ISHINE D |
| public static void main (String [] args) |
| 1 Otalixan 3a = 709 v Tai |
| Scanner sc = new Scanner (System.in); |
| = System.out.print("Enter a string:"); |
| String input = sc.nextLine(); |
| System.out.println("Uppercase:"+input.to- |
| UpperCase()); |
| System.out.println("lowercase:" + input. to- |
| Lowercase()); |
| System.aut.println("Length:"+input.length()); |
| Suction out orgatio ("Consecretion to painting in Cons |
| system.out.println ("Reversed:" + new |
| stringBuilder(input).reverse().toString()); |
| 13 |
| \{ |

Q.2 Write a input of year is leap or not code to detect whether the DY PATIL
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import java util Scanner; public class Leaplear public static void main (String Llarge) Scanner sc= new Scanner (System.in);

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Code: Q.3 Write a code for temperature converter that converts "C to Fahrenheit & vice versa by taking user input Also mention given 8/p B in C

impart java-util. Scanners public class TempConverter public static void main(String[largs)

if (scale == 'c') System.out.print("Enter "C" for Celsius, clouble temp= sc.nextDoube(); double converted Temps char scale = sc.next() charAt(0); System.out.print ("Enter temperature:"); Scanner Sc= new Scanner (System in); F? for Fahrenheit:");

of ((year%4 == 0 && year% 100 = 0) 11

Jear % 400 == 0

System.out-println (year+ "is leap year"

int year = sc.nextInt();

System-aut-print ("Enter a year:");

System.out.println(temp+ "C is equal to" converted Temp=(temp*9/5)+32; +convertedTemp + "F.");

else

System.out.println (year+ "is not leap you

else if (scale == 'F')

System-out-println (temp+ "F is equal convertedTemp=(temp-32)*5/93 + converted lemp + "C" するい

else

system out println ("Invalid temperature scale

G1-4 Take weight, height from user accalculate the Body-Mass Index. from user as an input and

public mport class BMICal Java-util-Scanner;

public static void main (String [] args)

System.out. priot ("Enter your height (m):"); double weight = Sc.next Double(); System. out.priot ("Enter your weight (kg):"); Scanner sc= new Scanner (Systemin);

double hmi = weight/(height * height); double beight = sc. next-Double();

System.out.print("Your BMI is : %.2F \n", bmi)

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Q.5 Take principal Simple as an Paput from user and calculate interest. amount, rate of interest and time

import java-util. Scanner;

public class SimpleInterest

public static void main (String [largs)

double principal = sc. next Dauble (); System.aut.print ("Enter principal amount: "); Scanner Sc= new Scanner (Systemin);

System-out-print("Enter rate of interest:");

System.out.print ("Enter time (in years):");
double time = sc.nextDouble();

double interest = (principal * rate * time)/100; System.out.println ("Simple Interest:"+interest);

Q.6 Take amount,

of time as an input fram user and

Interest:

calculate compound

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perio

import Java. util. Scanner; public Code: Write post public closs int n= sc.nextInt(); System.out-priotln("Enter"+n+"integers:");
for (int "=0; "<n; "++) the Scanner sc=new Scanner (System.in); a code System-out-print ("Enter static void main (String Llargs) Array largest number to take an input as an array elements:"); the number of 50 7 00

import

Java-util- Scanner

public class CompoundInterest

public static vaid main (String Llargs)

armyli] = sc. nextInt();

for (30) (=1; (<n; (++)

if (army [il > largest)

System.out.println ("Campound

+interest);

Interest: "

double interest = principal * Math. paw ((1+ rate)

lime) - principal;

dauble time = sc. nextDauble ();

System.out.print ("Enter

time (in years):")

double rate = sc.nextDouble ();

System-out-print ("Enter rate of interest:");

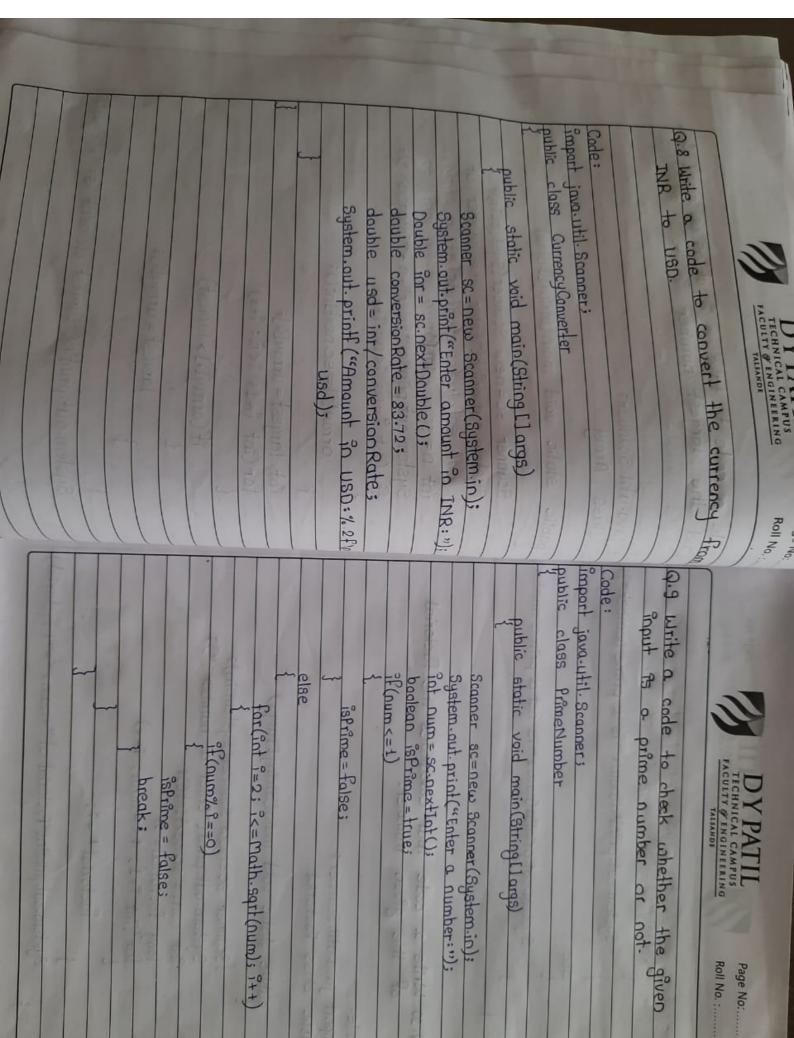
double principal = sc.nextDouble();

System out print ("Enter principal amount :");

Scanner sc= new Scanner (System.in);

largest = army[i];

System out-println ("Largest element is:"+largest);



System out-priotla (num + "18 a prime number

else

System out printly (num + "1's not a prime nu

Q. to Write a cade that calculates the factorial of the given number.

import java-util. Scanner; ublic class Factorial

public static void main (String Flarys)

int num = sc.nextInt(); Bystem.out.print ("Enter a number:"); Scanner Sc=new Sanner (System.in); ang factorial = 1;

for (ant 1=1; 1 = num; 1++

System-out-println ("Factorial of" + num + "="+ factor" factorial * = 1:

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9.11 Calculate the sum of 1st 'n' natural numbers with the help of Java language code.

public class Sum Import java-util. Scanners

public static void main (String [largs]

System.out. print ("Enter a number:"); Scanner 8c=new Scanner (System in);

int sum = n*(n+1)/23 int n = sc.nextint();

System.out. println ("Sum of numbers 98:"+ sum); first"+n+ "natura

9. 12 Develop a code that prints the Phramid 4 taking rows as pattern of input.

Code:

Import java.util. Scanners public class Pyramid

Dilding static void main (String 11 args)

Scanner sc=new Scanner (System.in);