Exp-no:16 Write a program to convert Decimal number equivalent to Binary number and octal number. The output values should virily Wing white box testing?

Aim: To convert the decimal number to its equivalent binary number and otters number and otters number and the output values varilied using asset coal.

program.

import java-usis s camper; import java-org junit - Amert avertifius, clay binary ?

public state void moin (string[1019) {

scanner in = new scanner (suptem in);

int durinoul = in next(nt);

string binary = Integer to Binary string (

Suptem out printen (" octal " +);

suptem out printen (" octal "+);

suptem out printly (Integer to Octal tring

consimely;

assertion (14 = = declinas).

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allow:

pinary i 110 octob i 16

Binary 'U 1111 Octal is bo Expresion write java program to convert given number of days in terms of years, weeks and days. The output value should verily using white box resting.

Aim: To write java program to convert given days in terms of years, were and

Days. Program:

import statio org. Junit. Ament allert mel;

import jour wat scanner;

Public Man year public statio void main Laning[] aign]

int m, year, wux, day;

scannu & = new ranner (system in); system out print (" Enter no of aby: ");

M= 1. nextent 1);

year = m/965;

andthrus (2 = = year);

M= m 7365;

Bystem. out. prinche c'No of years: "+ years week = m17;

m= m 1,7;

System. out printen Co No. of weeks: "foul doy = m;

aptem. out printen ("No of day :" +day &

output.

Enter no. of gay, 800

No of Years: 2

No. of weeks: 10

NO . of days o

Find the laddrial of no the outful value should rully using white box suring, Aim: 70 lind the lactorial of n and the output values should verily using where hox Hesting program: import jova util scannel, import static org just. Amert ansetticus, class lactorial & public static void main (strings) argi) int [, ; , pr=1; try & s canner s = new scanner (system, in), system ow. printen (Enter n: "); (nt n = s. next Int (); 11 (n>6) & Systemous princh (" mualid ") else 4 cn == 01 f 3 system out printens 1"); elec E 10r lin; 1>0;1-1; pr = pr + i: system ou primer ("The answer 1 :" + pr); als urtTru (-120 = = pr); eatch (Exception e) System out prenten (" mracid");

3 4

MINDLE HEADING THE THE STREET WAS THE Enturn: 5 The amount a: 120 institute areach worth what too MORCI east mainte commen west feels org post hace wherenic The harden & must be e place deduce voice made (sortings rap) M EIN PHEY 1 1 11 e granner de man slanner (supremy in). expressions printer or Entire mill. content of the privile of 16-01 12 ha t status . I september some some

Exp. no: 19 Final the year of the given date is pap year or not. The output value should verily using white box tuting sim: To first year of a given docte is peop year or not and result is verified using white box testing. program import statio org. junit. Assurt ouverforce; import java was Scannu; clar leapyfar f public state vold main estring (1 aug) tins in=o; Bystem . out : printen C"Enter date ", soanner & = new seanner (system in). String re = s. next(); string[] r > re. split ("/", 1); int x = Insight partie (reg). assertital (x == 2000): 16 6 × 7. 4 ==0) 8. System out printer ("It is leap year"), elso & System. out. printen (" It is not WALLER LOS BEFRE leap year"); yours will the output.

Finter the number to line the lactorial the abover is: 120

Exp no: 20 write a program to link a aquan. eupe of the given decimal number the outpar Vadur should verily using white box testing Aim: To write a program to find the square, outs of the given accimal number Program: import state orgiunit. Asset aventines, import java util. kanner, public class luterquare & public statio voia main Caring [] args) { try f scanner &= new scanner (syrremin). system. out. printen ("Enter a number"). double n = e. nextdatal 1): double a = 0, b : 0; a= ntn: b = nº n *n. system ow-printer ("The squie: "+12 system out printen ("The cute: "+1) eatch (Frantion e) { system. out printpu ("Invalid"). assistant Competed output == a): assertitue (expectea subput == b): output: Enter an number 15 The square of nameu: 25.0 The cube: 125.0