```
NO 16
EXP
APM: To convert the Declaral number to the earthvalent
                      ochal number and the output
pensory number and
values vorified using Assest wate;
Proport static org. yanit assert True
class browny
E public stores void mater (string [] ange)
  & scannor in = new scannor (system. In);
  entelectmal = InonextEnt();
  string thany = integer to binary string (declinal);
  system. out. polatin ("Bonvaly Is" + blowy);
  system-out-printin (Integer. roopal string (docional));
  assortine (14== decemal);
  Y
```

```
Cuper .....
Test case 4 months of the contraction of the
```

Propert: 14 Expected output: 140 BMary is 1110 Octal 1's 16

permant z success Adral output: . emony 1110 ockel is 16.

Tast case 2

input: is Expected output: Browney is 100-01 1111 odal PS 17

Actual ocuped: Brany & 1111 octal 78 17

Remarks : Success

EXP NO 17

APM: To write a Java program to consult a niver num of Days in roims. of years. weeks & Days. The Output values should north using white Box bost;

Propost stalk og-junit Assert ansens True: Propost 3ana. uttlesannon: public class year

public sour word garn (string orgs []) gor m, year, weak, day; sonner's = new sournoi (System. Fr); system - au Phris "Files the number of days: ")

m= s. next-Int(); yean = m/365; over True (2 = year) m= m% 365)

```
system outopoints ("no y weaks "t week);
day=m
 Symtem.out. printin ("No of days," + day); ]
output
TEST CASE 1
 Iput: co
              Expected output: 2 perual occipiet: 2
 CHIPTH
 a to a grant of carrier is the second
  Remarks: Successful.
Tost cosce 2
              Expected octput: 1 Adval octput: "1
 Input 600
                        Beneder Printpopping
  pemporks : Successful
EXP NO:18
 APM: To FPM the Factor Pad. of n The values should
 vorty using where box bosing?
       impost state org-junit. Assert assort True;
       Proport java . will scannon;
       does jachorial 1
        public static void main (storing []corps)
      rnrj, jpr=1;
       by E
```

```
. Sammer (system-in):
  Muss Fafokorial
  suble slatte word marn (storing[]args)
  Por isp, pr=1;
 Brys
 Souther
system.our.printing ("Encos the number to Find the Factoria
rat n=s nextint();
 if(nzo)
system-out-protein ("Invalled")
 else if (n=0)
System.out-printIn ("I")
Pr=pr*1;
system. but printin ("The answer is" +pr);
cosort True (120 = = pr);
                                il and in
```

```
Catch (Exceptionc)
 system-out-prent Inc "Invalled");
output
     TEST COSP 1 ... AND AMERICAN MILLER TO SERVICE STATE OF THE SERVICE STAT
                                                                 Expected cuput: 120 Actual output: 120
          Figur 45
      Remonts: Sweets
  TRST COUSE 2.
            Input 6 Expected output: 720 Actual output: 720
       Remarks: success
EXP NO: 19
       AIM: To FARd the year of the green date its leap year
    on not and the oresult as woulted using wotherd.
    winikebox Kesting
 Import whitebook besting.
  empost starte orge junta Assert assortane;
           import java · will · sannon:
         Class leap year.
              public statite void marn(string) to angs)
                   9nt 1000
                  system.out. printin ("Enterihe date I month / yeur")
                 scannonés = new scannon (systemoin)
```

```
String re = s.next(s;

String[] r= one.split ("/", 3);

Pot x = Pokeger ponseInt (r[2]);

av Strine z x == 2000);

if (x 1.4 = 0).

E

System. but. pour tin("It is an leap year");

g
```

Output

Test case: 1

Input: 12/04/2000

Expected output: Pts an leap year.
Actual output: Pts an leap year.
Remarks: Successful.

en is grid Lama plan entre and

```
Exp No: 20
Aim: To write a pragram to grid the square, cutel of
the grown decimal number. The output values should
vorify using white Box besting
 Proport state org junit. Assent alsont True;
 impost sava-util-scarnor:
 public dass cube square f
  Public starte vold main (sbrigg Jorgs)
  by &
  Scannon (System. Pn);
  System out puntin clienter an Number);
  double nzs, next Double ();
  double a=0, b=0;
  a=n*n;
  6=ロボロボのう
  Suprom-out printin ("The square of number="+a);
  Systemate pourting The square of number = "+6):
  auch (Exceptione)
  system our pornt In ("Privalled");
 word True (expected of cutput = = a);
  assort True L'experched & uper == b);
```

Y

output

Test scase 1:

Input: 5 The sile of the second second

Expeded output = 25.0

1.403 (145) 150 (Made - 1500)

Actual output = 25.0 = 125.0

surremarks: Success