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ASSIGNMENT- 1.
1. Find if the Given wername is valid.
Program:
Import Javailox;
 Import java. util, Scanner:
dass usemame
 public static void main (String [] args).
String SI, SZ;
                            (12) YOURD S. WET - 2 YOURDS
Scanner S = New Scanner ( system in);
                                 sustem out pundling Eng
System. cout. prientln ("Enter username");
                                       : () WILLIAM & ST
S1 = S. next ();
52 = s. next ();
if (s1 = = s2)
system. out. privitin ("user name valid"):
986
system. out. println ("user name invalid"):
3
3
                           Op: user name Invalid.
Up: Saveetha @678
    Sarcetha @123.
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2. check for voting digiblity.
 Program:
 Impurt javaio. x;
Import java. util. Scanner;
class voting
Public static void main (string [] ares)
int a;
Scanner s = new scanner (system.in);
system. out. println ("Enter Age;");
a = 3, next Int ();
(81<D) 7i
 system. but. println ("you are oligible").
0120
system. out. println ("you still have "+118-a). i'years left");
I/p: 19.
                             Op: You are eligible.
```

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3. Simple Interest. Rate of Interest: for serior citizen 121.
for non-senior citizens: 10%
Program:
Import jawa. io. *;
import java. util. scanner;
class si
public static void main (string [] args)
float P,S:
Int n,a;
scouncer a = new scanner (system.in);
system out printin ("enter principal arrount, no of years, Age:")
p=mextfloat ();
                          Ip: 200000
n=>(. next plant ())
0=9(. next Int ();
it (0>60)
                           Olp: The simple Interest
 S=P * N * 12/100:
                                is 60000.0.
0/88
  S=P*n*10/100;
system. out. println ("The simple Interest 15": 45); 33.
```

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4. Leap year:
: morpourq
Import java. iv. *;
Import java. util. scanner .;
clars leapyears
public static void main (string [7, asfs)
inta;
scanner s = new. scanner (system.in);
system. out. privitin ("Enter year,");
a = S. next Int ();
if ((a.v. H==0 Ha.v. 100 !=0) // (a.v. Hoo==0))
system. out. printly ("The given year is a leap year.");
986
gystem. out println ("The given year is not a leap year");
Hp: 1992.
op: The given year is a leap years.
```

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timbrolland 510 511 515 513 510 512
 5. square and cube of a decimal number:
Priogram:
Import java. 10. *;
Import 'swa. util, scanner;
class SC
3
 (840 [] gruits) rain bion sitote silvery
float a;
Scanner 8 = New Scanner (system.in);
system. out. println ("Enter number:");
a = s, next Float ();
system. but, println ("The squere of Number is: "+(a * a));
system. cell. paintln ("The cube of Number is:"+ (a*a*a));
Ip: 0.6.
olp: The Equare of number is 0.36.
    The cube of number is 0.2600002.
```