```
1
```

```
Scarrer input = new Scarrer (system . in);
 int mal 1 [][]= { {1,23, {5,333;
 int mat 2 [] [] = { {2,33, {4,133;
 int med_ Sum IJ []= new int [2] [2];
  int len = mat 1. length;
  for (int i=0; iz len; i+1)
   For (int j=0; j2 len; j++)
    mal-sum [i] [j] = mal [i] [j] + mal 2[i] [j];
   System. But. print (mal - Sum [i][j]+"/+");
   3 system. out. print In ();
```

2. Write a program to print rectargle symbol pattern alphabetical order Ascerding or descending

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Scarres input = new Scarros (system.in);

Shi len = arg. length;

Char order = input . heart (). (harat (v);

If order == 'A') f

for (int i = 0; i \ len; i++) f

from (int i = i+i j < arg. length; i++) f
```

```
} (oc ([t] (rea) of (arr[i] compare to (arr[f]) so) f
               EliJeco = great grids
              しい ひか [: ]= のか [3]
               art [ ] = temp;
            System. out. print In (Arrays. tostring (arr.));
      3 else if (order == '0') &
          For (intigois is Dans int) swarped a street
           For (int j=i+ 15j2000, longth; j++)
              of (as [i]-compare to last [j]) xo) &
                  String temp = ODA [i];
                   क्षेत्र हाँ उन्हरूष्ट हाँ उन्हरूष्ट
                   Or [j]=temp;
                               -13 61 MB
           System. out-point In (Arrays - to string (arr));
3.) Write a program for matrix multiplication
   Scarrer input = new scarner (byslem - in );
     I'me & = input . next Int ();
    ind e=input. next Int ();
    int mal I [] []=how and [n] [c];
    int mat 2 [] []= hew int [n] [c];
     For (int i=0; i< 9; i++)
     { +00 (int j=0; j2c; j++)
    Bordink 1=0; 127; 1+1)
     $ $ on (int j=0; j2c; j+1) we have
     mat 2 [i][j]=input. hext int();
   3 int Sum [J[]= new int[9][c];
    { tor (int j=0; icc; it)
```

```
Sum I'J I'J = 0;
              FOR (int K=03 KLC3 K++)
             Sum [i] Ej] = Sum [i] [j]+ (mal 1 [i] [1e] mal 2[e][j]),
           System . Out - print (Sum TiJ I's +" 1 +");
           system out opint ();
4.) Write a program to print the following pattern
    Scarner input = new scanner (system - in);
   System out print (" Enter the number to be printed "");
    and x = input . nesch Int ();
   System. Out-print ("max number of Lime printed: ");
   int hainput a next int ();
   FOR (ind i= 13 ic=nsi++)
     (++1: 1=1:5= + 1:0) 10F
     & System. out. print (x);
       system . out point ();
    For (int i=h-19 i)=19 i-1
       For link 3=2:36=1; 1++)
     3
      system. out printin();
5.) write a program to print the special character
                              mig it may party a still (
 soprarately and print number to special Character is
    Scarner Input = new scarner (&ystern . in);
    alting S=input. nextline ();
     ind len = solenger ();
     char a IJ= new char Ilen J;
    int 3p=0;
    from (int i=0; iclen; i++)
     a Lij=S. chan At (i);
     if (a [1]) = 65 20 a [i) < = 901 | a [i] > = 97
```

```
1 1 a EiJs=48 & & a EiJ <=57)
          elle
            Sp++;
            System · out · point (alis);
         system. out. point In "In " to");
  6-)
     write a program to print all thecomposite hunber
      between a and b?
       Scanner input = new scannos (system - it
        int a = input next Int ();
        int b = input = nesch Int();
         for ("nt ("=a+1; "=b; "++)
        f ind (=0;
          from (int j=1; j=b; j++)
          if (C>2)
             System. But. print (i+"");
7.) Write a program to print the inverted ball pyramid
     Scanner input = new & cannor (&yskom . in);
     int n=input. next Int();
      for (" i=h; i)=1; i--)
      { for (int 8=0; ich-i; i+4)
        system - out - print (" ");
         Bos ( int K= 1; K <= i; K++)
         system. out. Drint (" * ");
        3 system. out. parts ();
```

```
8.) Find the Fartonial of h
      Scanner input - new & corner (Bystem in);
           int n= input . nesch Int ();
          int fack= 1;
       from (int i=1; i <= h; i++)
         back = back x i :
         system out print (fack);
9.) write a program to print the following pattern
     Scarnos input=new ocarnos (845bem-in);
     char c=input · nesol() · charAt(0);
      int n= input. nesch Int ();
      For (int i=1; i <= h; i++)
       from (ind j=1; j=1; j++)
         84then. out. print (c).
       system. out. print ();
so.) Write a program to print the given humborig
 perfect number or not?
     Scannes input = new scannes (dystern-in);
     int n=input. nesol Int ();
      int factors =0;
   from (int i=23 icn; i++)
    { if h/si==b)
          factors = factors = 1;
    3 if the factors + =
    if (n == factors)
     system. out. print ("It's a perfect humber");
```