```
Assignment-2
         1) Write a program to print the following patien
                 4*4*4*4
          2) Write a program to print the following fattern
                      101
                      0 1 0 1 " : 120 40 an 10 (1) 1 0 1 0
                       10101 (Sking) (M) 10101
              losite the similasty and difference besween
                    an array name and or pointer vorsable.
                              (12 ") 1 him
  dol' 1-
                             ist. Pilate (10")
 #in clude (Stdio. h>
#include (conio. h)
                                  Lund of tweet.
void main () {
      int i , j, rows ;
      Closco();
      Printf ("Enter no. of rows: ");
       scan f (" 1. d", ( 20 ws);
                                                 111/11/11
      for (1=1; 1<=20 ms; 1++) {
           for (j=1;j==((2*f)-1);j++)fine (in 10) 1)
                  if (j 1.2 == 0)

printf (" * ");

else

printf (" 1.d", i);
             print f (" \n");
          getch ();
```

```
Ousput
       Enter no. of rows; 4
        2 * 2
        3*3*3
       4* 4*4*4
Soma
Hinclude «stdio. h >
#Include < conio. h>
void main () s
      int १, है, ७० फर;
     closco ();
     frint ( eenser no. of rows: 4);
       Scanf ("% od", &rows);
      tog (1=1; 1<= 70 ws; 1++) }
    for 13 = 1; 3 <= 2:3++) {
                 9 + ((Po+j)%, 2 == 0)
                      Print f (" 1");
                  else printf ("0");
                                             nigetude actdio. hz
                                             Silverine Miller 112
                 }
printf ("\n");
                                                   () when this ()
                                           100k25-j
         Enter no. Of rows!
```

An cerray is a collection of elements of dimilar data type whereas the pointer is a markable that express the address of anosper warrable.

An array size decides the number of variables of can store whereas a pointer variable can store whereas a pointer variable can store the address of only one variable and store the address of only one variable

Array can be interested at the definition, while pointers cannot be installed at the

the first production of the second

· Arrays are allocased at compile time while pointers are allocased at runtime.