QUESTION 1 ANSWER

#include<stdio.h>

void main()

{

int i,j,k;

for(i=1;i<=4;i++)

{

for(j=1;j<=i;j++)

{

printf("%d",i);

for(k=j;k<=j&&k!=i;k++)

printf("\*");

}

printf("\n");

}

}

------------------------------------------------------------------------

QUESTION 2 ANSWER

#include <stdio.h>

int main()

{ int i,j;

for (i=1;i<=5;i++)

{

for (j=1;j<=5;j++)

{

if(i==j)

{

printf ("1");

}

if (i>j)

{

if ((i +j)%2==1)

{

printf ("0");

}

if ((i +j)%2==0)

{

printf ("1");

}}

}

printf ("\n");

}

return 0;

}

------------------------------------------------------------------------

QUESTION 3 ANSWER

DIFFERENCES BETWEEN ARRAY AND POINTER

|  |  |
| --- | --- |
| ARRAY | POINTER |
| 1.Collection of elements similar data type  2.SYNTAX : int arr[size]; | 1.Pointer is a variable which stores the address of another variable .  2.SYNTAX :int \*p;  P=&var; |

SIMILARITIES AMONG POINTER ARRAY:

|  |
| --- |
| Array name gives arrays base and similarly pointer is a variable stores address of another variable in this case array base name returns address of first element of array |

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