AND gate *-The AND gate is a basic digital logic gate that implement logical conjunction from mathematical logic ,A high output result only if all inputs to the AND gate are HIGH.*

6. write a program in c to display the Boolean truth table for And gate.

```c
#include <stdio.h>

int main()

{

int i, product;

int a[4] = {0, 0, 1, 1};

int b[4] = {0, 1, 0, 1};

for (i = 0; i < 4; i++)

{

product = a[i] * b[i];

printf("\n%d AND %d= %d", a[i], b[i], product);

}

return 0;

}
```

Output :

0 AND 0 = 0

0 AND 1 = 0

1 AND 0 = 0

1 AND 1 = 1