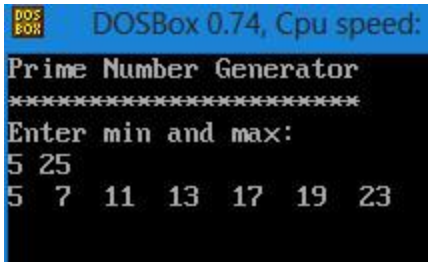
1. WAP to generate prime number between min & max numbers.

Program Code:

```
#include<stdio.h>
#include<conio.h>
void main(){
   int flag,i,j,min,max;
   clrscr();
   printf("Prime Number Generator\n**********************\nEnter min and max:\n");
   scanf("%d%d",&min,&max);
   for(i=min ; i<=max ; i++){
      flag=0; /* Important */
         for(j=2; j<i; j++){
         if(i%j==0){
            flag=1;
            break;
         }
      }
      if(flag==0 && i>1){ /* Checking if flag has changed or not and number is greater than 1
*/
            printf("%d  ",i); /* Printing Prime numbers */
      }
   }
   getch();
}
```

Output:



2. WAP to generate following pattern:

Program Code:

```
#include<stdio.h>
#include<conio.h>
void main(){
   int i,j,k,n; /*Creating required variables */
   clrscr(); /*Clearing screen */
   printf("PATTERN A1\n");
   printf("********************\n");
   printf("How many Lines?\t");
   scanf("%d",&n);
   for(i=1; i<=n; i++){ /*For number of lines */
         for(j=1; j<=n-i; j++){ /*For space pattern */
            printf(" ");
         }
         for(k=1; k<=2*i-1; k++){ /*For 101 patterns */
            printf("%d",k%2);
         }
         printf("\n"); /*Printing new line */
   }
   getch(); /*To freeze monitor */
}
```

Output: