

/*Write a C program to generate all prime numbers between 1 and a given integer n.*/

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int n,i=3,count,c;
```

```
    clrscr();
```

```
    printf("Enter the number n = \n");
```

```
    scanf("%d",&n);
```

```
    if(n>=1)
```

```
    {
```

```
        printf("First %d prime numbers are:- \n",n);
```

```
        printf("2\n");
```

```
    }
```

```
    for(count=2;count<=n;)
```

```
    {
```

```
        for(c=2;c<=i-1;c++)
```

```
        {
```

```
            if (i%c==0)
```

```
                break;
```

```
        }
```

```
        if(c==i)
```

```
        {
```

```
            printf("%d\n",i);
```

```
            count++;
```

```
        }
```

```
        i++;
```

```
    }
```

```
    getch();
```

```
}
```