

```
/**gcd**/
```

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

```
int main()
```

```
{
```

```
    int a,b;
```

```
    printf("enter the value of a and b\n");
```

```
    scanf("%d%d",&a,&b);
```

```
    while(a!=b)
```

```
    {
```

```
        if(a>b)
```

```
            a=a-b;
```

```
        else
```

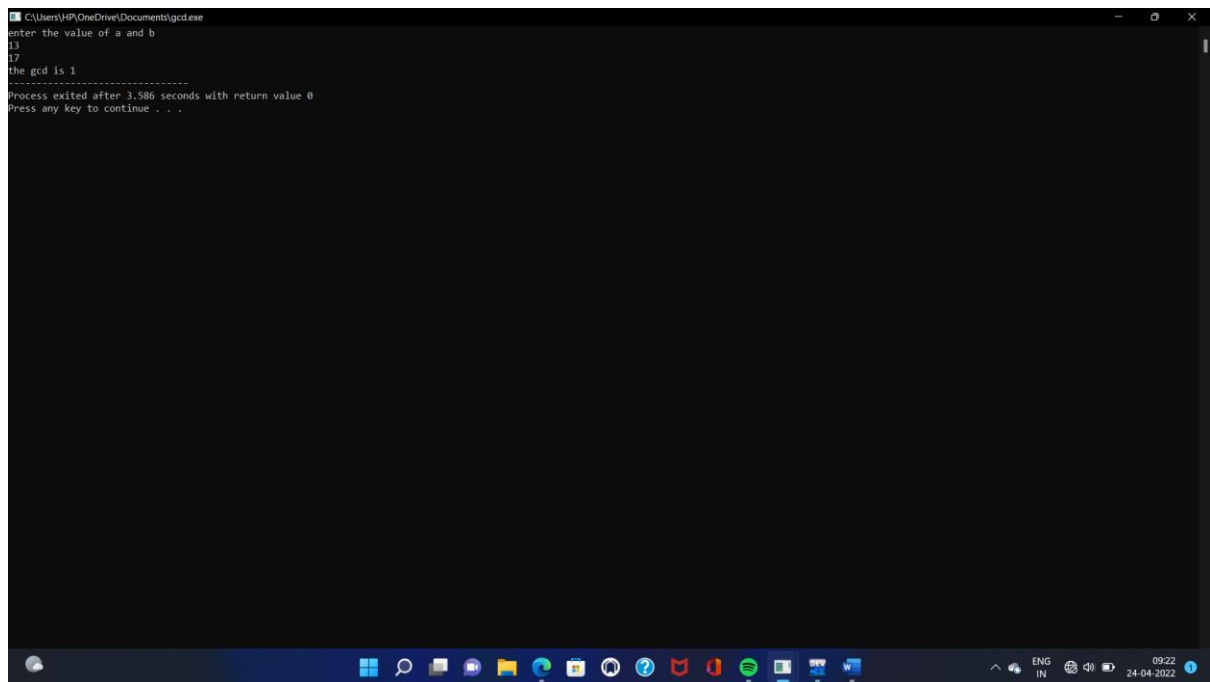
```
            b=b-a;
```

```
    }
```

```
    printf("the gcd is %d",a);
```

```
    return 0;
```

```
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\HP\OneDrive\Documents\gcd.exe". The program prompts the user to "enter the value of a and b". The user enters "13" and "12". The program outputs "the gcd is 1". Below this, it shows "Process exited after 3.586 seconds with return value 0" and "Press any key to continue . . .". The Windows taskbar is visible at the bottom with various application icons and a system clock showing 09:22 on 24-04-2022.