

lab 3

date:24/09/2025

```
// 29. PROGRAM TO CHECK WHETHER A NO IS PALINDROM OR NOT.
```

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

```
int main()
```

```
{
```

```
    int num,p=0,r,a;
```

```
    printf("enter a number");
```

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

```
    a=num;
```

```
    while (num!=0)
```

```
    {
```

```
        r=num%10;
```

```
        p=(p*10)+r;
```

```
        num=num/10;
```

```
    }
```

```
    if(a==p)
```

```
        printf("palindrom");
```

```
    else
```

```
        printf("not palindrom");
```

```
    return 0;
```

```
}
```

```

C 29_palindrom.c > main()
1 // 29. PROGRAM TO CHECK WHETHER A NO IS PALINDROM OR NOT.
2 #include<stdio.h>
3
4 int main()
5 {
6     int num,p=0,r,a;
7     printf("enter a number");
8     scanf("%d",&num);
9     a=num;
10    while (num!=0)
11    {
12        r=num%10;
13        p=(p*10)+r;
14        num=num/10;
15    }
16    if(a==p)
17        printf("palindrom");
18    else
19        printf("not palindrom");
20
21    return 0;
22 }
23

```

TERMINAL

```

PS C:\Users\Sunit\Desktop\vscode\c\lg> cd "c:\Users\Sunit\Desktop\vscode\c\lg"
if ($?) { gcc 29_palindrom.c -o 29_palindrom } ; if ($?) {
enter a number176671
palindrom
PS C:\Users\Sunit\Desktop\vscode\c\lg> .\29_palindrom.exe
enter a number75
not palindrom
PS C:\Users\Sunit\Desktop\vscode\c\lg>

```