

Lab-2

Date : 10/09/2025

23. PROGRAM TO READ TWO NOS. AND CALCULATE POWER WITHOUT USING HEADER FILE(<MATH.H>).

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

```
int main()
```

```
{
```

```
    int a,b,c=1,i;
```

```
    printf("enter value of base=");
```

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

```
    printf("enter ppositive value of exponent=");
```

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

```
    for (i = 0; i < b;i++ )
```

```
    {
```

```
        c=c*a;
```

```
    }
```

```
    printf("%d^%d=%d",a,b,c);
```

```
    return 0;
```

```
}
```

```

C 18.c  C 19.c  C 20.c  C 21.c  C 23.c  X  C 22.c
C 23.c > main()
1 //23. PROGRAM TO READ TWO NOS. AND CALCULATE POWER WITHOUT USING HEADER FILE(<MATH.H>).
2
3 #include<stdio.h>
4
5 int main()
6 {
7     int a,b,c=1,i;
8
9     printf("enter value of base=");
10    scanf("%d",&a);
11    printf("enter ppositive value of exponent=");
12    scanf("%d",&b);
13
14    for (i = 0; i < b;i++)
15    {
16        c=c*a;
17    }
18
19    printf("%d^%d=%d",a,b,c);
20
21    return 0;
22 }

```

TERMINAL

```

PS C:\Users\Sumit\Desktop\vscode\clg> cd "c:\Users\Sumit\Desktop\vscode\clg\" ; if ($?) { gcc 23.c -o 23 } ; if ($?) { .\23 }
enter value of base=9
enter ppositive value of exponent=2
9^2=81
PS C:\Users\Sumit\Desktop\vscode\clg>

```