Programming Lab Assignment
HY
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2020ITB065
Information Technology

```c
/*Tathagata Ghosh --- 2020ITB065 --- HY*/

/*Programming Lab Assignments
Q. Write a single function that will take two arguments a, b to find a^b. The
argument a can be either integer or floating point number.*/

#include <stdio.h>
#include <stdlib.h>
#include <string.h>

int main(int argc, char *argv[])
{
    float a,b,c,ans=1;

    if(argc!=3)
    {
        printf("please use \"prg_name value power \"\n");
        return -1;
    }

    a = (float)atoi(argv[1]);//can be int or float depending upon user
    b = (float)atoi(argv[2]);//from command line argument
    c = b;
    while(b--)
    {
        ans*=a;
    }

    printf("%f^%f = %f\n",a,c,ans);

    return 0;
}
```
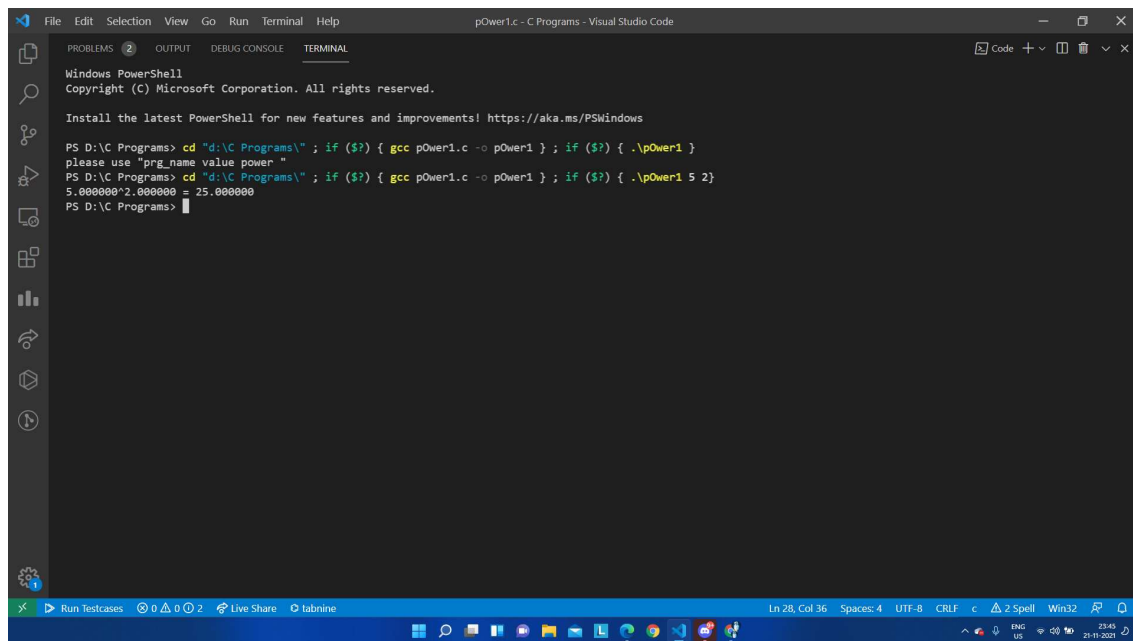OUTPUT:

File   Edit   Selection   View   Go   Run   Terminal   Help

PROBLEMS 2   OUTPUT   DEBUG CONSOLE   TERMINAL

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\C Programs> cd "d:\C Programs\" ; if ($?) { gcc pOwer1.c -o pOwer1 } ; if ($?) { .\pOwer1 }
please use "prg_name value power "
PS D:\C Programs> cd "d:\C Programs\" ; if ($?) { gcc pOwer1.c -o pOwer1 } ; if ($?) { .\pOwer1 5 2}
5.000000^2.000000 = 25.000000
PS D:\C Programs>
```

Run Testcases   ⊗ 0 ⚠ 0 ① 2   Live Share   tabnine   Ln 28, Col 36   Spaces: 4   UTF-8   CRLF   c   ⚠ 2 Spell   Win32