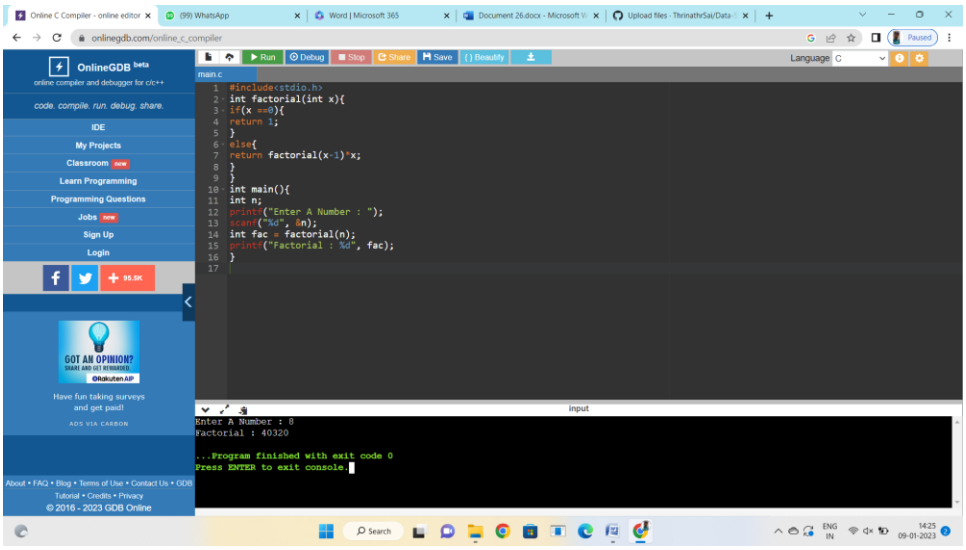
DATA STRUCTURES-CSA0396

5.Write a C program to find Factorial of a given number using Recursion

CODING:

```
#include<stdio.h>
int factorial(int x){
if(x ==0){
return 1;
}
else{
return factorial(x-1)*x;
}
}
int main(){
int n;
printf("Enter A Number : ");
scanf("%d", &n);
int fac = factorial(n);
printf("Factorial : %d", fac);
}
```

OUTPUT:


Online C Compiler - online editor
onlinegdb.com/online_c_compiler
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
IDE
My Projects
Classroom new
Learn Programming
Programming Questions
Jobs new
Sign Up
Login
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
#include<stdio.h>
int factorial(int x){
if(x ==0){
return 1;
}
else{
return factorial(x-1)*x;
}
}
int main(){
int n;
printf("Enter A Number : ");
scanf("%d", &n);
int fac = factorial(n);
printf("Factorial : %d", fac);
}
input
Enter A Number : 8
Factorial : 40320
...Program finished with exit code 0
Press ENTER to exit console.
GOT AN OPINION?
Have fun taking surveys and get paid!
ADS VIA CARBON
About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy
© 2016 - 2023 GDB Online