```c
#include<stdio.h>
#include<conio.h>
#include<math.h>
int main(void)
{
    char name[30];
    int units;
    double billamount=0.0;
    printf("\n enter the name of customer");
    scanf("%s",name);
    printf("\n enter no of units consumed ");
    scanf("%d",&units);
    billamount+=100;
    if(units<=200)
    {
        billamount+=units*0.8;
    }
    else if(units>200&&units<=300)
    {
        billamount+=(200*0.8)+((units-200)*0.9);
    }
    else if(units>300&&units<=400)
    {
        billamount+=(200*0.8)+(100*0.9)+(units-300);
    }
    if(billamount>400)
    {
        billamount+=billamount*0.15;
    }
    printf("\nelectricty bill\n");
    printf("\ncustomer name\t:%s",name);
    printf("\n units consumed\t:%d",units);
    printf("\n billamount\t:%0.2lf rupees\n\n",billamount);
    return 0;
}
```

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main.c

```
1  #include<stdio.h>
2  #include<conio.h>
3  #include<math.h>
4  int main(void)
```

input

```
 enter the name of customer
manoj

 enter no of units consumed 50

electricty bill

customer name    :manoj
 units consumed :50
 billamount       :140.00 rupees


...Program finished with exit code 0
Press ENTER to exit console.
```

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main.c

```
1  #include<stdio.h>
2  #include<conio.h>
3  #include<math.h>
4  int main(void)
```

input

```
 enter the name of customer
manoj

 enter no of units consumed 300

electricty bill

customer name    :manoj
 units consumed :300
 billamount       :350.00 rupees


...Program finished with exit code 0
Press ENTER to exit console.
```
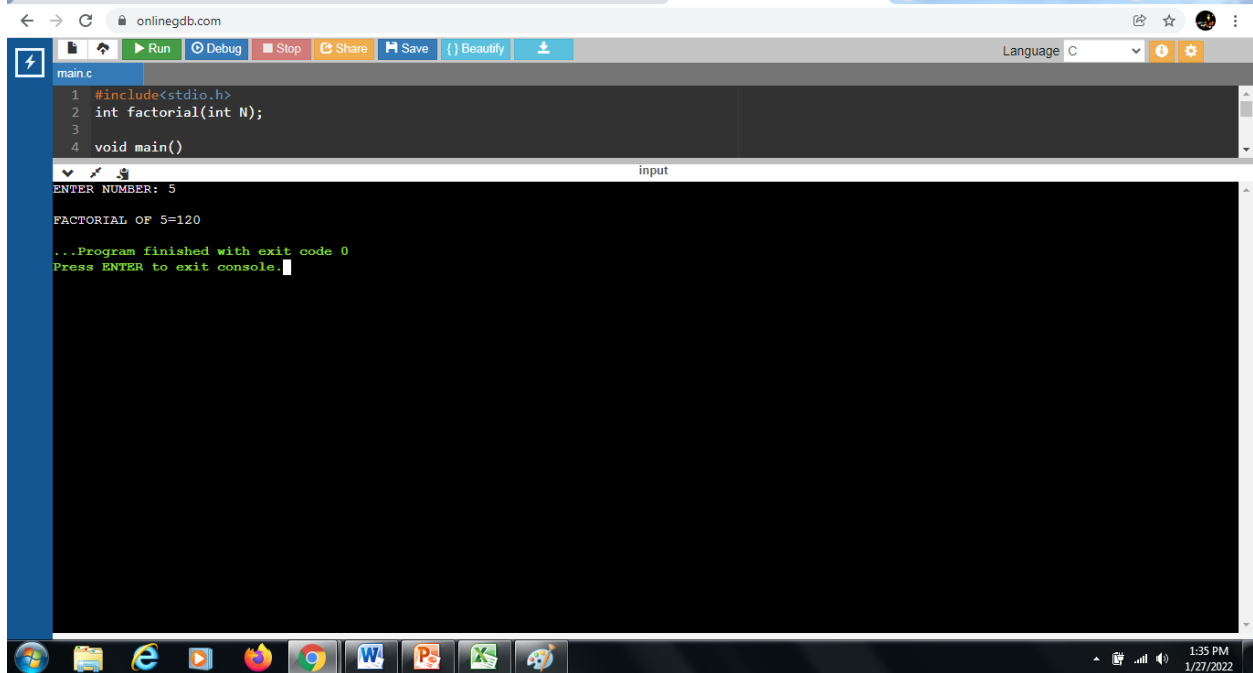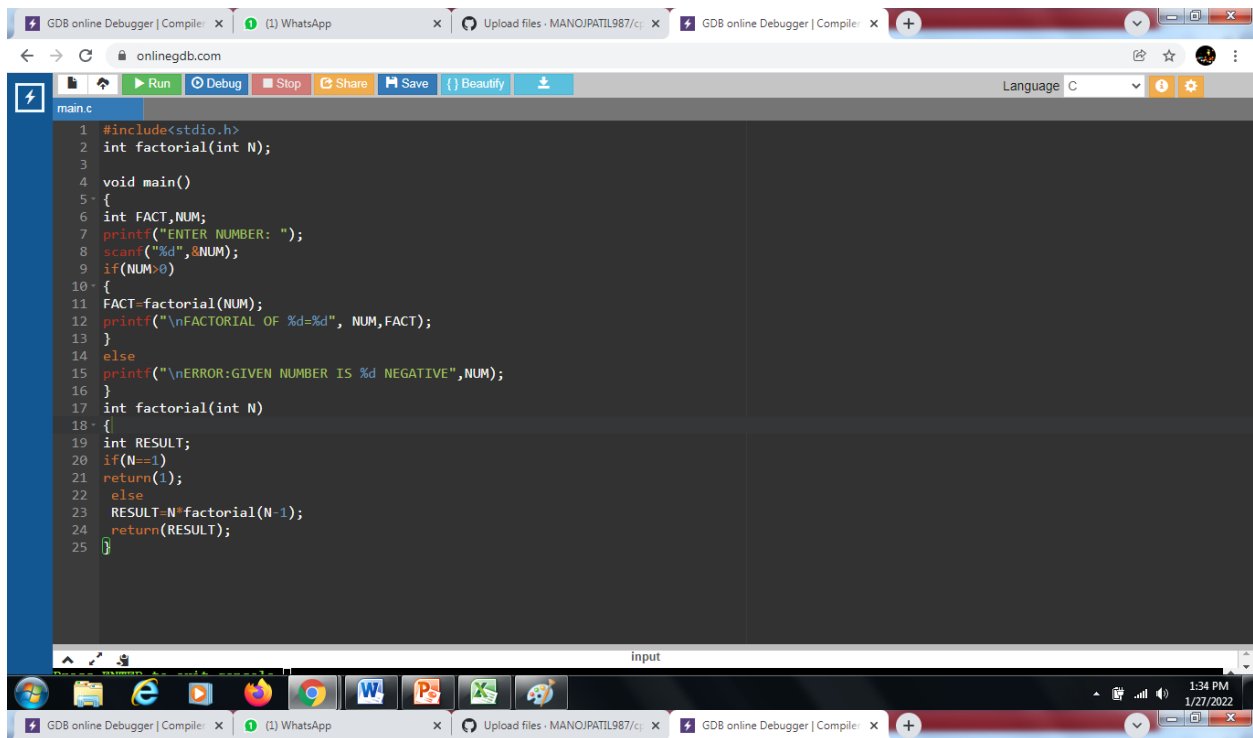
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```c
#include<stdio.h>
int factorial(int N);

void main()
{
int FACT,NUM;
printf("ENTER NUMBER: ");
scanf("%d",&NUM);
if(NUM>0)
{
FACT=factorial(NUM);
printf("\nFACTORIAL OF %d=%d", NUM,FACT);
}
else
printf("\nERROR:GIVEN NUMBER IS %d NEGATIVE",NUM);
}
int factorial(int N)
{
int RESULT;
if(N==1)
return(1);
 else
 RESULT=N*factorial(N-1);
 return(RESULT);
}
```

input

```c
#include<stdio.h>
int factorial(int N);

void main()
```

input

```
ENTER NUMBER: 5

FACTORIAL OF 5=120

...Program finished with exit code 0
Press ENTER to exit console.
```

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Language C

main.c

```c
1  #include<stdio.h>
2  int factorial(int N);
3
4  void main()
```

input

ENTER NUMBER: 1

FACTORIAL OF 1=1

...Program finished with exit code 0
Press ENTER to exit console.

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