1. WAP TO PRINT HELLO WORLD

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    printf("Hello world!\n");

    return 0;

}
```

2. WAP TO ENTER AN INTEGER FROM USER

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    int a;

      printf("enter a no\n");

      scanf("%d", &a);

      printf("no is= %d", a);

    return 0;

}
```

3. WAP TO ADD TWO NO

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    int a,b;

      printf("enter two no\n");

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

      printf("sum is= %d", a+b);

    return 0;

}
```

4. WAP TO MULTIPLY FLOATING NO

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    float a,b;

      printf("enter two no\n");

      scanf("%f %f", &a,&b);

      printf("product is= %f", a*b);

    return 0;

}
```

5. WAP TO FIND ASCII VALUE OF A CHARACTER

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    char a;

      printf("enter a char \n");

      scanf("%c", &a);

      printf("ascii value of %c is %d", a,a);

    return 0;

}
```

6. WAP TO FIND REMAINDER AND QUOTIENT

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

    int r,q,d1,d2;

    printf("enter divisor  and divident \n");

    scanf("%d %d", &d1, &d2);

    q= d2/d1;

    r=d2%d1;

    printf("quotient and remainder are %d %d", q,r);

    return 0;

}
```

7. WAP TO FIND SIZE OF INT FLOAT DOUBLE AND CHAR

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int a;
    char b;
    float c;
    double d;
    printf("int size: %d bytes \n", sizeof(a) );
    printf("char size: %d bytes \n", sizeof(b) );
    printf("float size: %d bytes \n", sizeof(c) );
    printf("double size: %d bytes \n", sizeof(d) );
    return 0;
}
```

8. WAP TO SWAP TWO NOS USING THIRD VARIABLE

```
#include <stdio.h>

#include <stdlib.h>


int main()

{

    int a,b,temp;

    printf("enter two no \n");

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

    printf("values before swapping: %d %d \n", a,b);

    temp=a;

    a=b;

    b=temp;

    printf("values after swapping: %d %d \n", a,b);

    return 0;

}
```

9. WAP TO SWAP TWO NO WITHOUT A THIRD VARIABLE

```
#include <stdio.h>

#include <stdlib.h>


int main()

{

    int a,b;

    printf("enter two no \n");

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

    printf("values before swapping: %d %d \n", a,b);

    a=a+b;

    b=a-b;

    a=a-b;

    printf("values after swapping: %d %d \n", a,b);

    return 0;

}
```

10. CHECK NO- EVEN/ODD

```
#include <stdio.h>

#include <stdlib.h>


int main()

{

    int a;

    printf("enter no \n");

    scanf("%d", &a);

    if(a%2==0)

    printf("%d is even", a);

    else

    printf("%d is odd", a);

    return 0;

}
```

11. WAP TO CHECK A NO IS CONSONANT OR VOWEL

```
#include <stdio.h>

#include <stdlib.h>


int main()

{

    char a;

    printf("enter char \n");

    scanf("%c", &a);

    if(a=='a' || a=='e' || a=='i' || a=='o' || a=='u')

    printf("%c is a vowel", a);

    else

    printf("%c is a consonant", a);

    return 0;

}
```

12. WAP TO FIND THE LARGEST AMONG THREE NO

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int a,b,c;
      printf("enter three nos \n");
      scanf("%d %d %d", &a, &b, &c);
    if(a>b && a>c)
      printf("%a is greatest", a);
    else if(b>a && b>c)
      printf("%d is greatest", b);
    else
      printf("%d is greatest", c);
    return 0;
}
```

14. WAP TO CHECK LEAP YEAR

```
#include <stdio.h>
#include <stdlib.h>
int main()
{int a;
  printf("enter a year \n");
  scanf("%d", &a);
  if(a%100==0)
  {  if(a%400==0)
       printf("%d is a leap year", a);
       else
         printf("not a leap year");   }
  else if( a%4==0)
   printf("%d is a leap year", a);
   else
     printf("%d is not a leap year", a);
    return 0; }
```

15. WAP TO CHECK WHETHER NO IS POSITIVE OR NEGATIVE.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
  int a;
  printf("enter a no \n");
  scanf("%d", &a);
  if(a>0)
    printf("%d is positive",a);
  else if(a<0)
     printf("%d is negative",a);
  else
        printf(" you entered zero");
    return 0;
}
```

16. TO CHECK WHETHER THE GIVEN CHARACTER IS ALPHABET OR NOT

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    char b;
     printf("enter char \n");
     scanf("%c", &b);
     if(b>='a' && b<='z')
     printf("%c is an alphabet",b);
     else
        printf("not an alphabet");
    return 0;
}
```

17. CALCULATE THE SUM OF NATURAL NOS

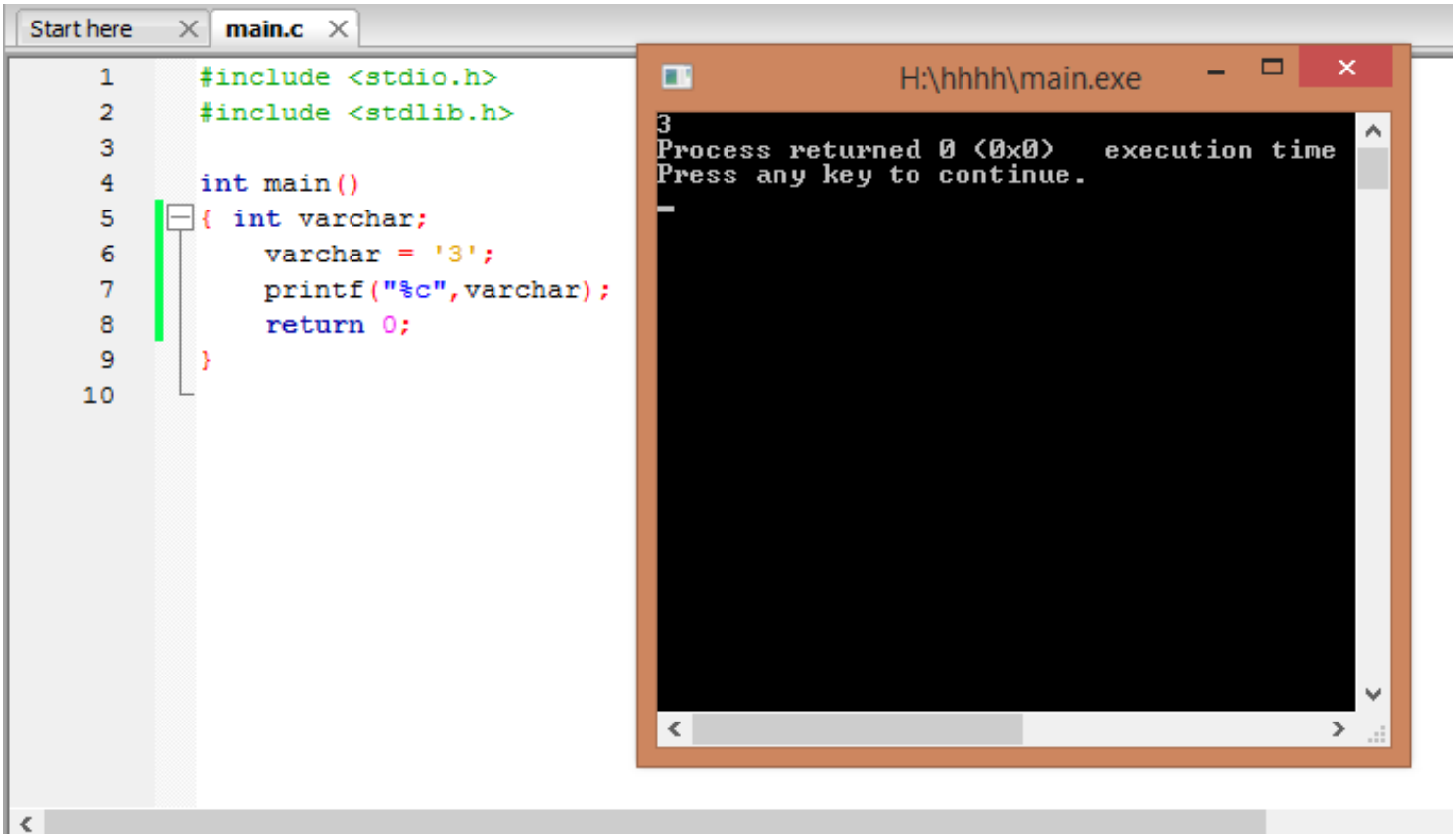
```
#include <stdio.h>

#include <stdlib.h>

int main()

{

   int i,n,sum;

   sum=0;

    printf("enter no \n");

    scanf("%d", &n);

    for(i=0;i<=n;i++)


      sum=sum+i;

    }

       printf("sum is %d", sum);

   return 0;

}
```

18. FACTORIAL OF A NO

```
#include <stdio.h>

#include <stdlib.h>

int main()

{

   int i,n,fact;

   fact=1;

    printf("enter no \n");

    scanf("%d", &n);

    for(i=1;i<=n;i++)

{

 fact=fact*i;

    }

       printf("fact is %d", fact);

   return 0;

}
```

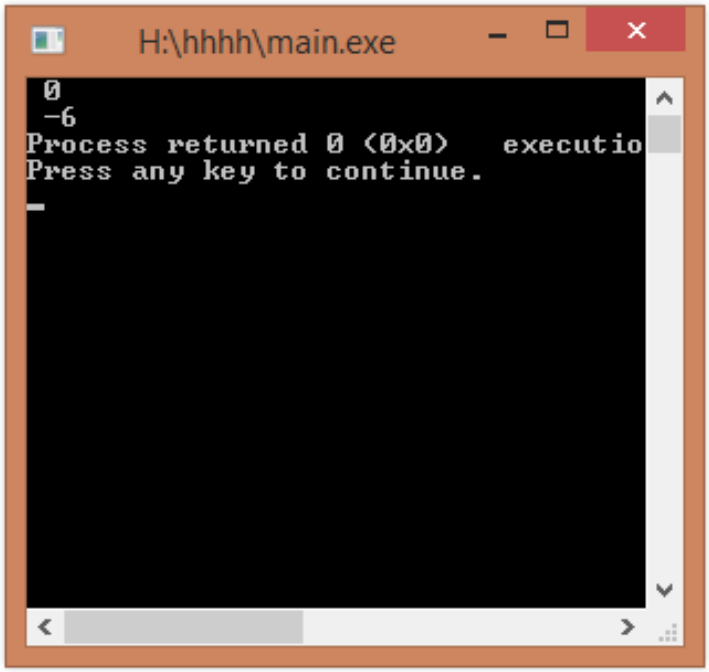
19. GENERATE MULTIPLICATION TABLE

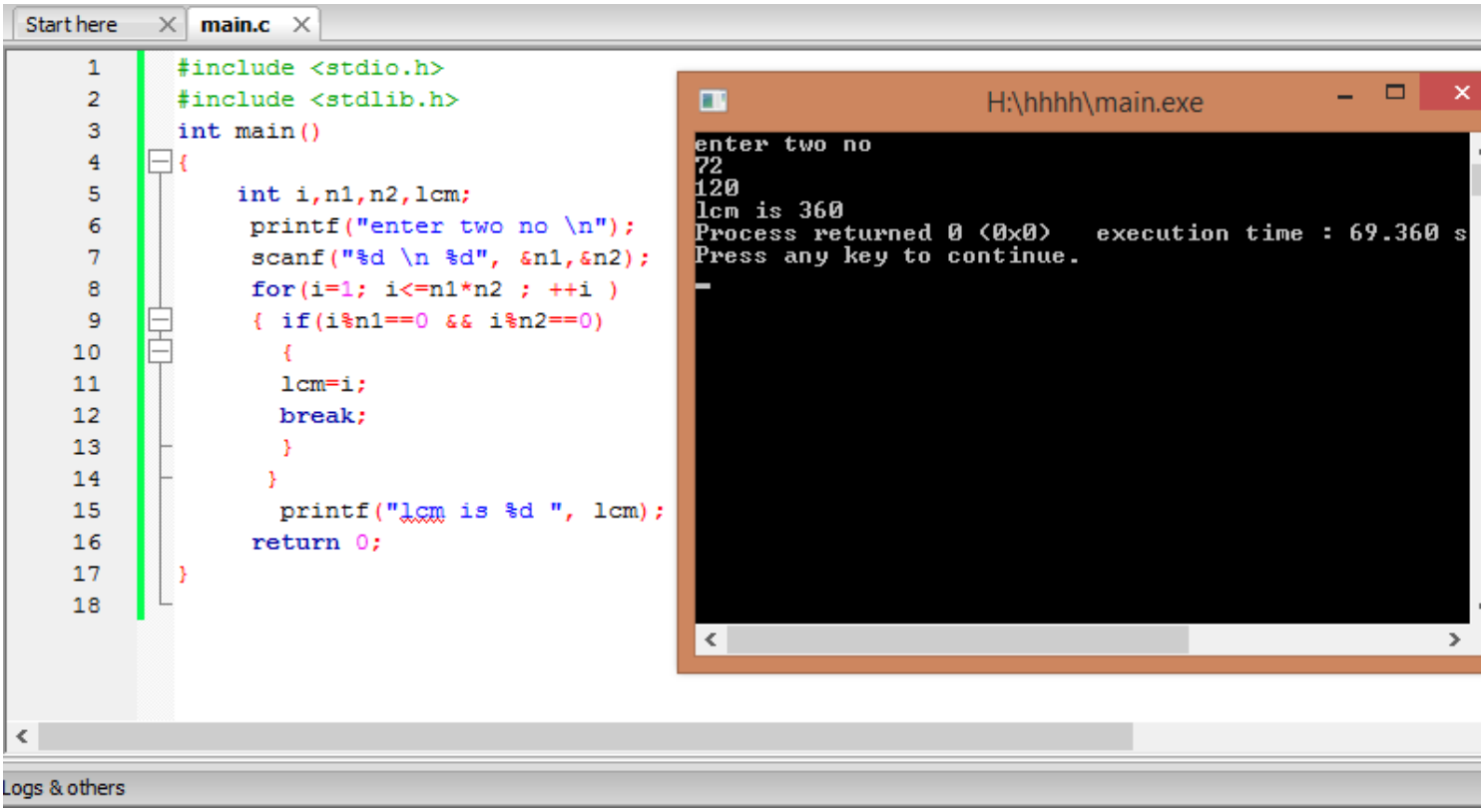
```
#include <stdio.h>

#include <stdlib.h>

int main()

{

   int i,n;



    printf("enter no \n");

    scanf("%d", &n);

    for(i=1;i<=10;i++)

    {

      printf("%d * %d = %d \n", n,i,(n*i));

    }

    return 0;

}
```

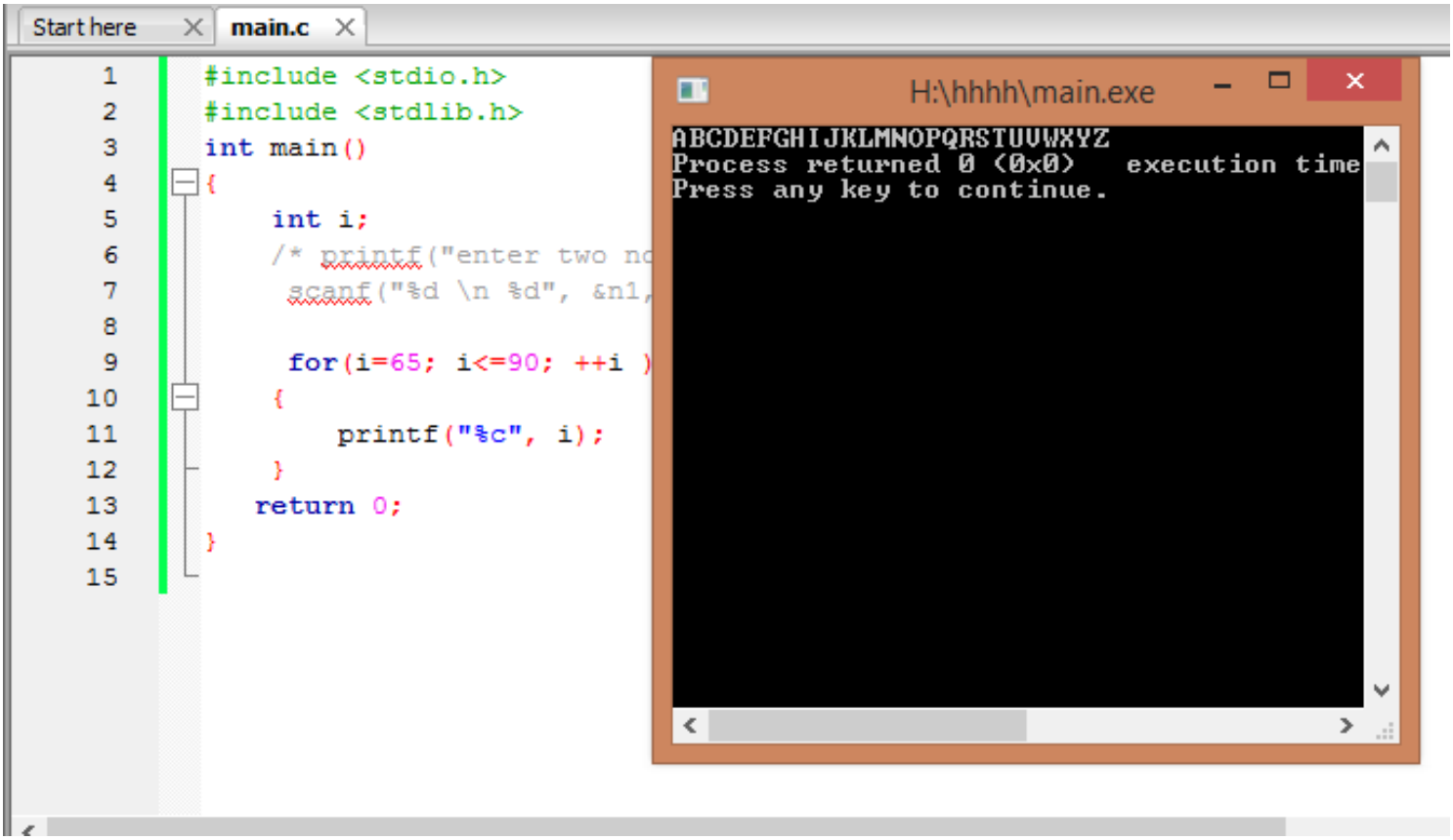

Start here
main.c
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 { int varchar;
6 varchar = '3';
7 printf("%c",varchar);
8 return 0;
9 }
10
H:\hhhh\main.exe
3
Process returned 0 (0x0) execution time
Press any key to continue.

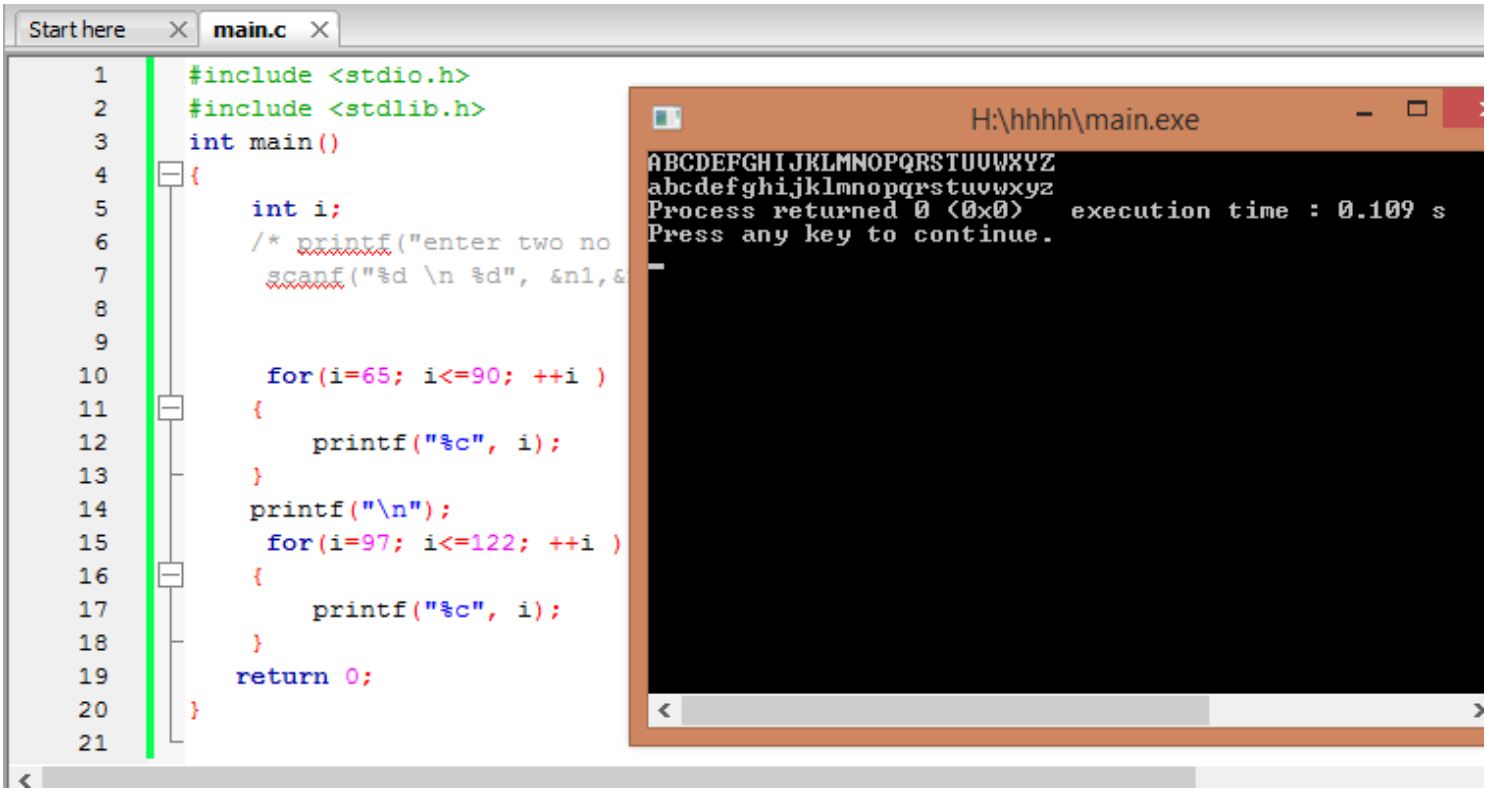
Start here | main.c

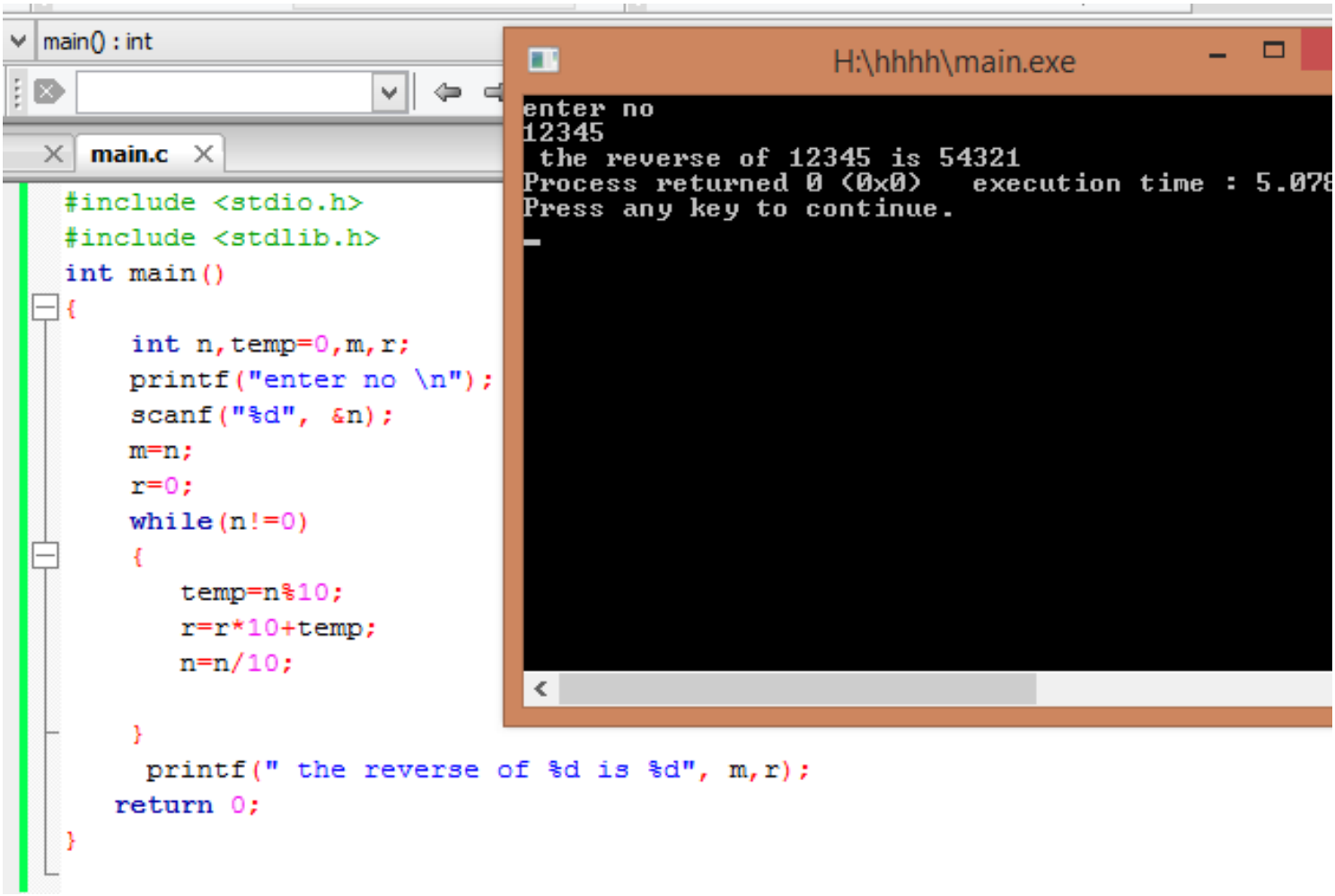
```c
#include <stdio.h>
#include <stdlib.h>

int main()
{/* int varchar;
    varchar = '3';
    printf("%c",varchar);*/
    int a,b;
    a=-3- -3;
    b=-3- -(-3);
    printf(" %d \n %d",a,b);
    return 0;
}
```




Start here
main.c
#include <stdio.h>
#include <stdlib.h>
int main()
{
int i,n1,n2,lcm;
printf("enter two no \n");
scanf("%d \n %d", &n1,&n2);
for(i=1; i<=n1*n2 ; ++i)
{ if(i%n1==0 && i%n2==0)
{
lcm=i;
break;
}
}
printf("lcm is %d ", lcm);
return 0;
}
H:\hhhh\main.exe
enter two no
72
120
lcm is 360
Process returned 0 (0x0) execution time : 69.360 s
Press any key to continue.
Logs & others

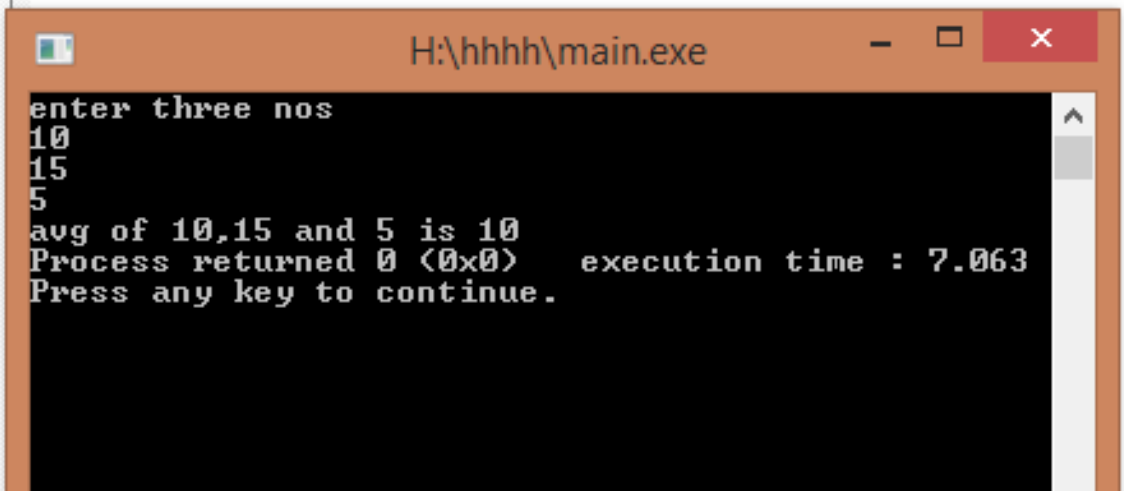

Start here
main.c
1 #include <stdio.h>
2 #include <stdlib.h>
3 int main()
4 {
5 int i;
6 /* printf("enter two nc
7 scanf("%d \n %d", &n1,
8
9 for(i=65; i<=90; ++i)
10 {
11 printf("%c", i);
12 }
13 return 0;
14 }
15
H:\hhhh\main.exe
ABCDEFGHIJKLMNOPQRSTUVWXYZ
Process returned 0 (0x0) execution time
Press any key to continue.


Start here
main.c
#include <stdio.h>
#include <stdlib.h>
int main()
{
int i;
/* printf("enter two no
scanf("%d \n %d", &n1,&
for(i=65; i<=90; ++i)
{
printf("%c", i);
}
printf("\n");
for(i=97; i<=122; ++i)
{
printf("%c", i);
}
return 0;
}
H:\hhhh\main.exe
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
Process returned 0 (0x0) execution time : 0.109 s
Press any key to continue.


main() : int
main.c
#include <stdio.h>
#include <stdlib.h>
int main()
{
int n,temp=0,m,r;
printf("enter no \n");
scanf("%d", &n);
m=n;
r=0;
while(n!=0)
{
temp=n%10;
r=r*10+temp;
n=n/10;
}
printf(" the reverse of %d is %d", m,r);
return 0;
}
H:\hhhh\main.exe
enter no
12345
the reverse of 12345 is 54321
Process returned 0 (0x0) execution time : 5.078
Press any key to continue.

Start here | main.c

```c
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int n1,n2,n3,avg=0;
  printf("enter three nos\n");
    scanf("%d \n %d \n %d", &n1,&n2,&n3);
  avg=(n1+n2+n3)/3;
  printf("avg of %d,%d and %d is %d ", n1,n2,n3,avg);
        return 0;
```



there | main.c

```c
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int n,i,l,sum,f;
    sum=0;
    printf("enter no \n");
    scanf("%d",&n);
    for(i=1;i<n;++i)
    {if(n%i==0)
        sum=sum + i;
    }
    if(n==sum)
    printf("%d is perfect no",n);
    else
    printf("%d is not perfect no",n);

  return 0;
}
```

```
enter no
28
28 is perfect no
Process returned 0 (0x0)   execution
Press any key to continue.
```

Start here | main.c

```c
#include <stdio.h>
#include <stdlib.h>
int main()
{
   int i,sum;
     sum=0;

     for(i=1;i<=30;++i)
     {if(i%2==0)
         sum=sum + i;
    }
 printf("sum is %d",sum);
  return 0;
}
```

H:\hhhh\main.exe

```
sum is 240
Process returned 0 (0x0)
Press any key to continue.
```

Start here | main.c

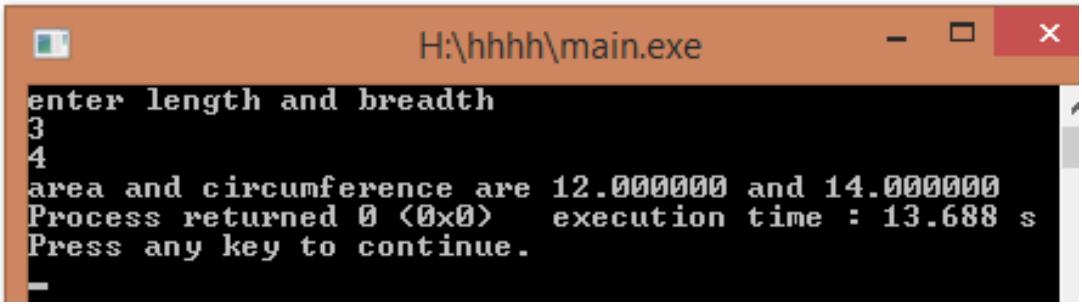
```c
#include <stdio.h>
#include <stdlib.h>
#include<math.h>
int main()
{
    float r,area=0,cir=0;
printf("enter radius \n");
    scanf("%f",&r);
    area=3.14f*r*r;
    cir=2*3.14f*r;
    printf("area and circumference are %f and %f",area,cir);
return 0;
}
```

H:\hhhh\main.exe

```
enter radius
5
area and circumference are 78.500000 and 31.400002
Process returned 0 (0x0)   execution time : 2.922 s
Press any key to continue.
```

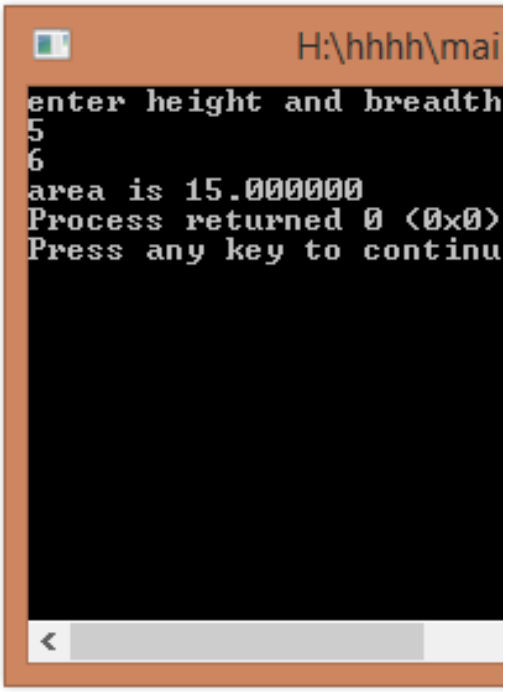
Start here | main.c

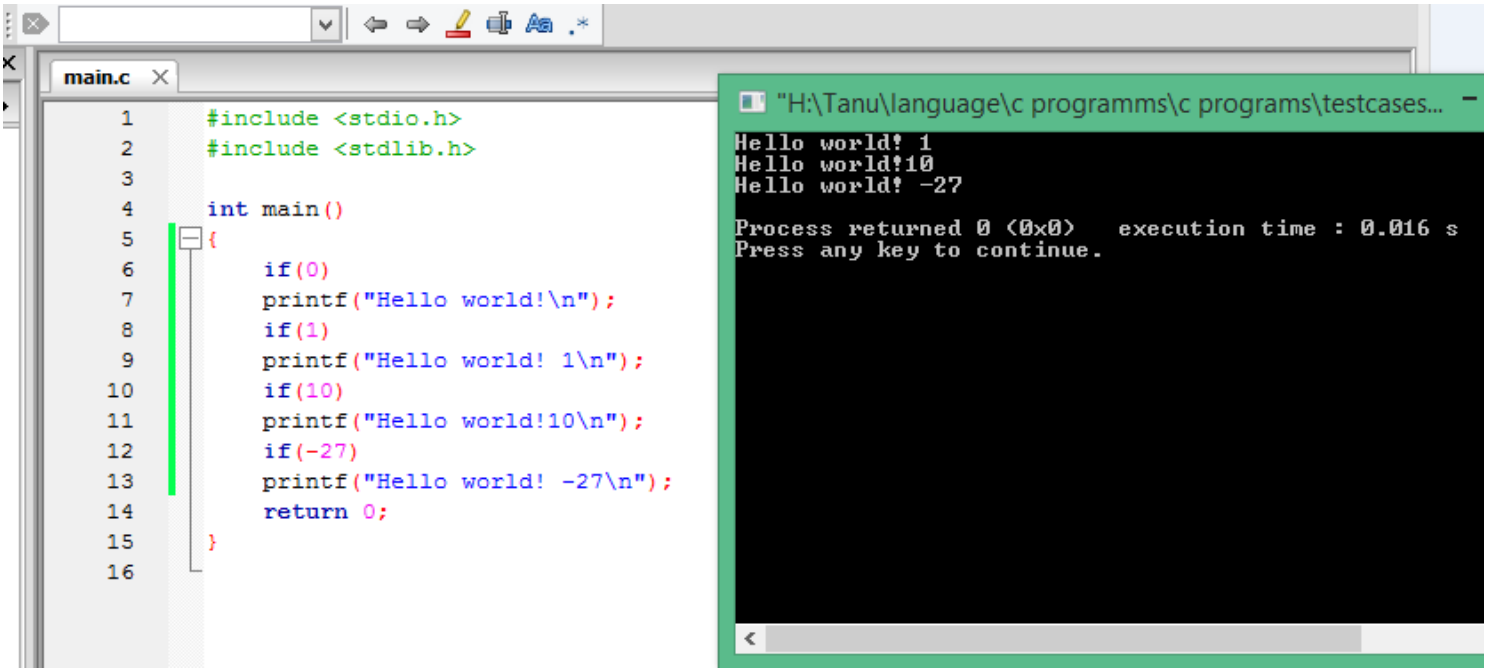
```c
#include <stdio.h>
#include <stdlib.h>
#include<math.h>
int main()
{
    float l,b,area=0,cir=0;
printf("enter length and breadth\n");
    scanf("%f \n %f",&l,&b);
    area=l*b;
    cir=2*(l+b);
    printf("area and circumference are %f and %f",area,cir);
return 0;
}
```

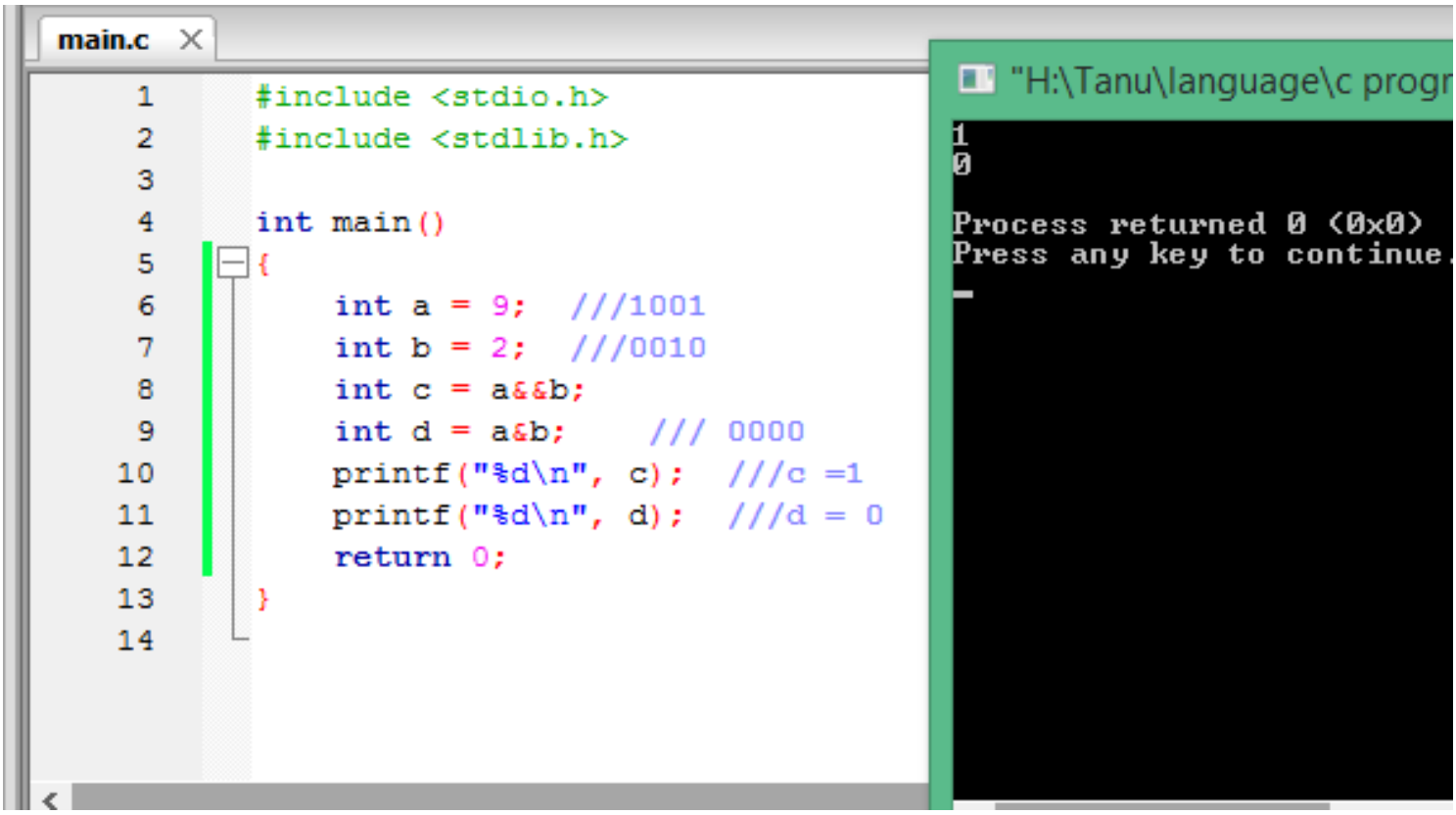


Start here | main.c

```c
#include <stdio.h>
#include <stdlib.h>
#include<math.h>
int main()
{
    float h,b,area=0;
printf("enter height and breadth\n");
    scanf("%f \n %f",&h,&b);
    area=(h*b)/2;
    printf("area is %f",area);
return 0;
}
```




main.c
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6 if(0)
7 printf("Hello world!\n");
8 if(1)
9 printf("Hello world! 1\n");
10 if(10)
11 printf("Hello world!10\n");
12 if(-27)
13 printf("Hello world! -27\n");
14 return 0;
15 }
16
"H:\Tanu\language\c programms\c programs\testcases...
Hello world! 1
Hello world!10
Hello world! -27
Process returned 0 (0x0) execution time : 0.016 s
Press any key to continue.


main.c
#include <stdio.h>
#include <stdlib.h>
int main()
{
int a = 9; ///1001
int b = 2; ///0010
int c = a&&b;
int d = a&b; /// 0000
printf("%d\n", c); ///c =1
printf("%d\n", d); ///d = 0
return 0;
}
"H:\Tanu\language\c progr
1
0
Process returned 0 (0x0)
Press any key to continue.