Practical 03

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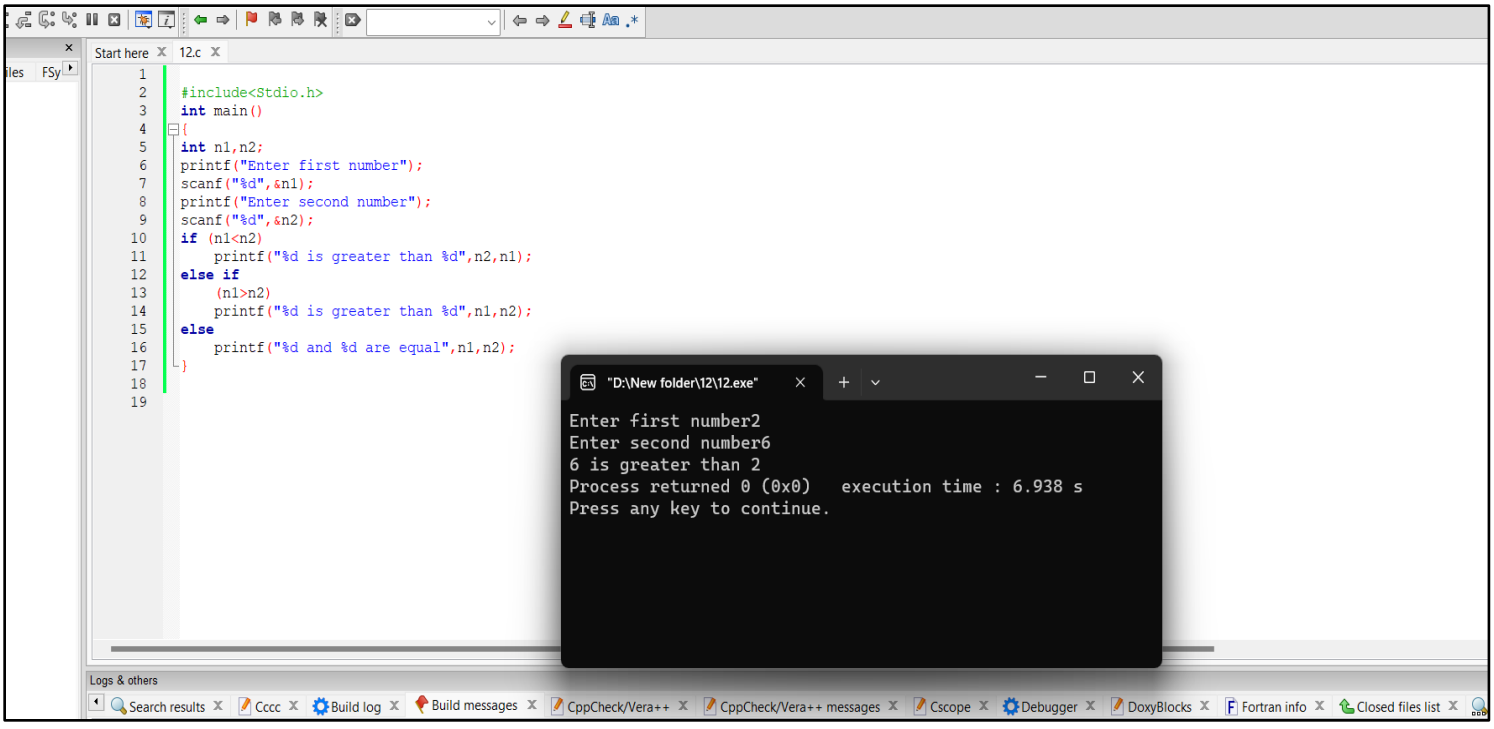
Practical 03

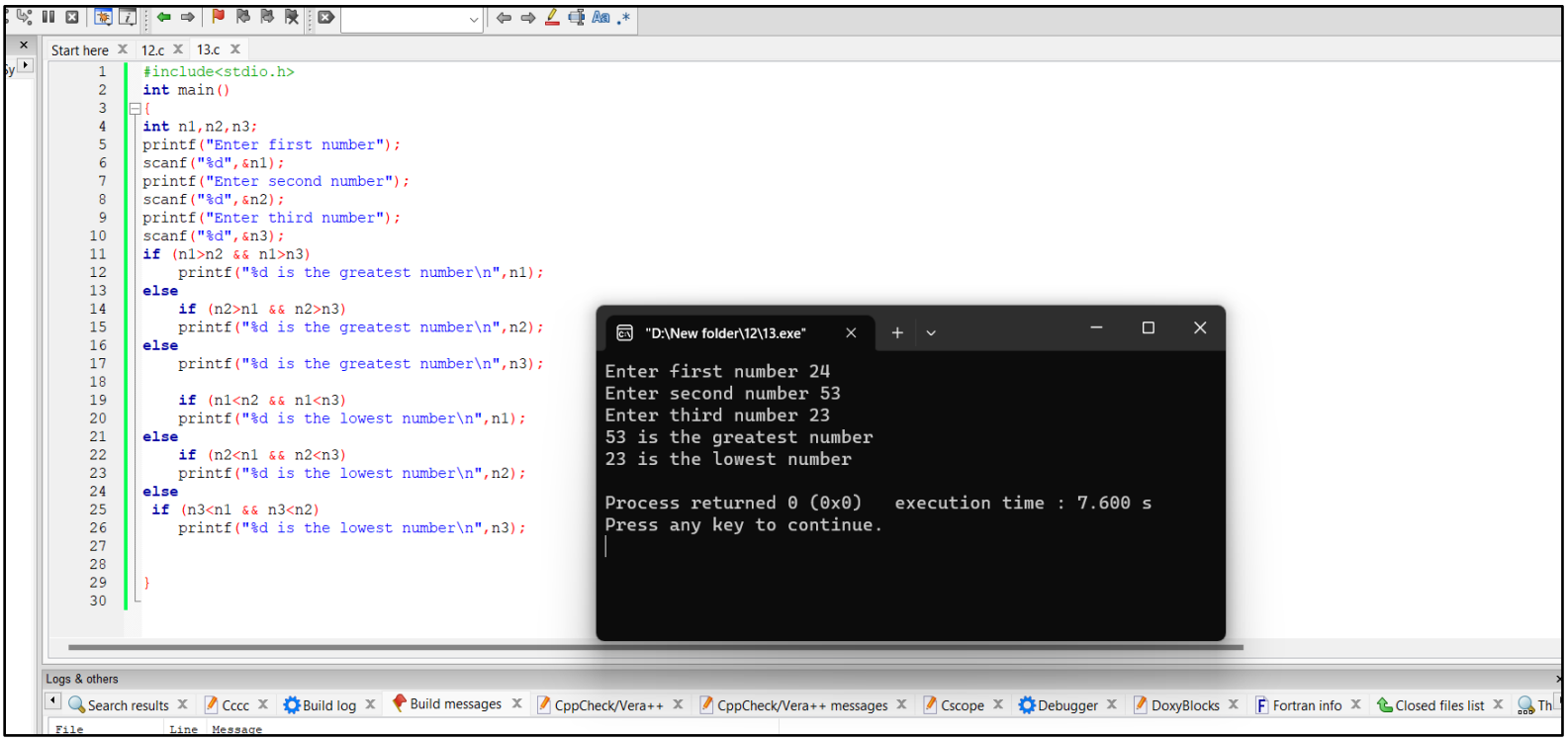
1.

```
#include<Stdio.h>
int main()
{
int n1,n2;
printf("Enter first number");
scanf("%d",&n1);
printf("Enter second number");
scanf("%d",&n2);
if (n1<n2)
   printf("%d is greater than %d",n2,n1);
else if
   (n1>n2)
   printf("%d is greater than %d",n1,n2);
else
   printf("%d and %d are equal",n1,n2);
}
```



2.

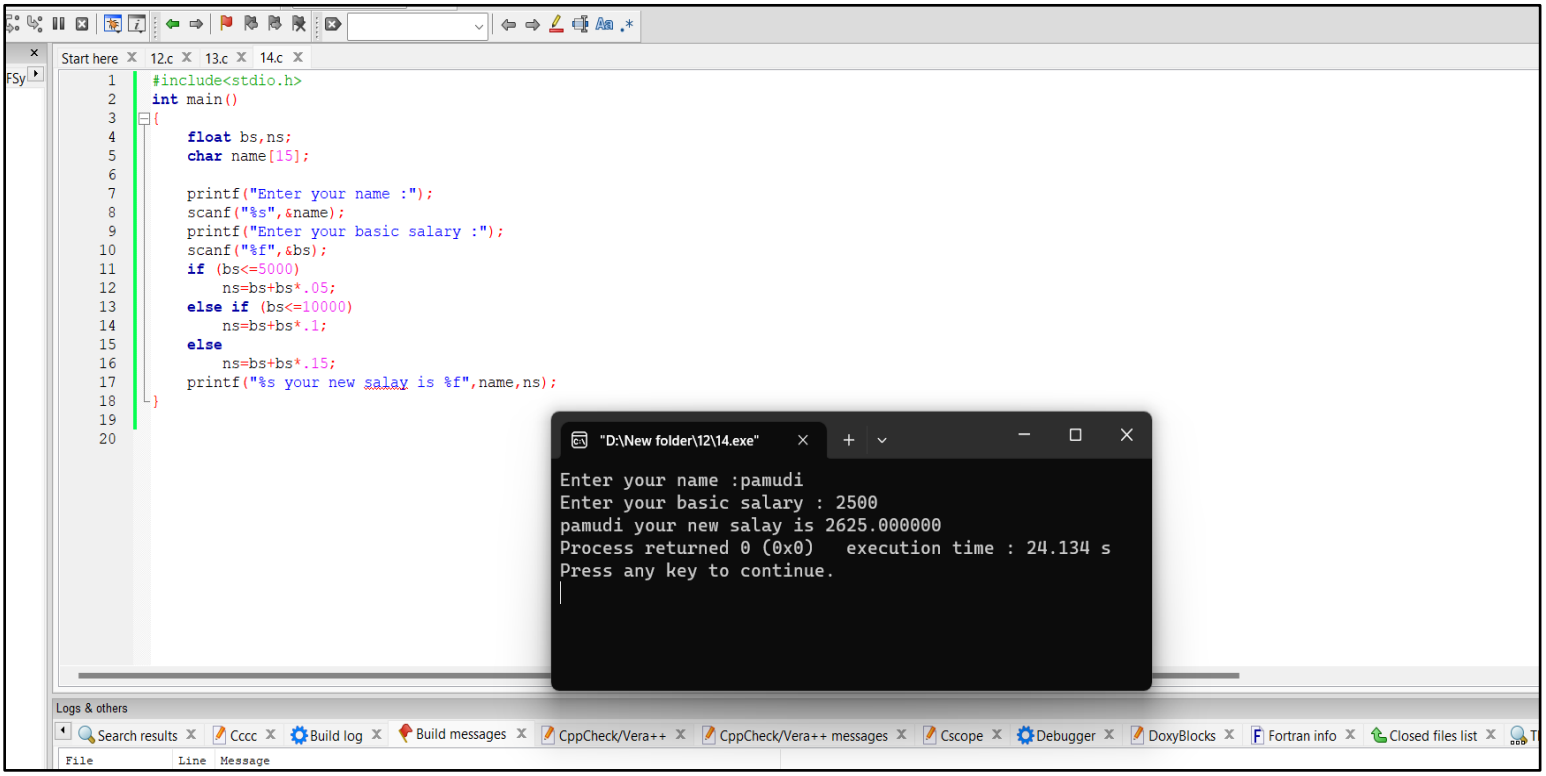
```
#include<stdio.h>
int main()
{
int n1,n2,n3;
printf("Enter first number");
scanf("%d",&n1);
printf("Enter second number");
scanf("%d",&n2);
printf("Enter third number");
scanf("%d",&n3);
if (n1>n2 && n1>n3)
   printf("%d is the greatest number\n",n1);
else if (n2>n1 && n2>n3)
   printf("%d is the greatest number\n",n2);
else
   printf("%d is the greatest number\n",n3);

   if (n1<n2 && n1<n3)
   printf("%d is the lowest number\n",n1);
else if (n2<n1 && n2<n3)
   printf("%d is the lowest number\n",n2);
else if (n3<n1 && n3<n2)
   printf("%d is the lowest number\n",n3);
}
```



3.

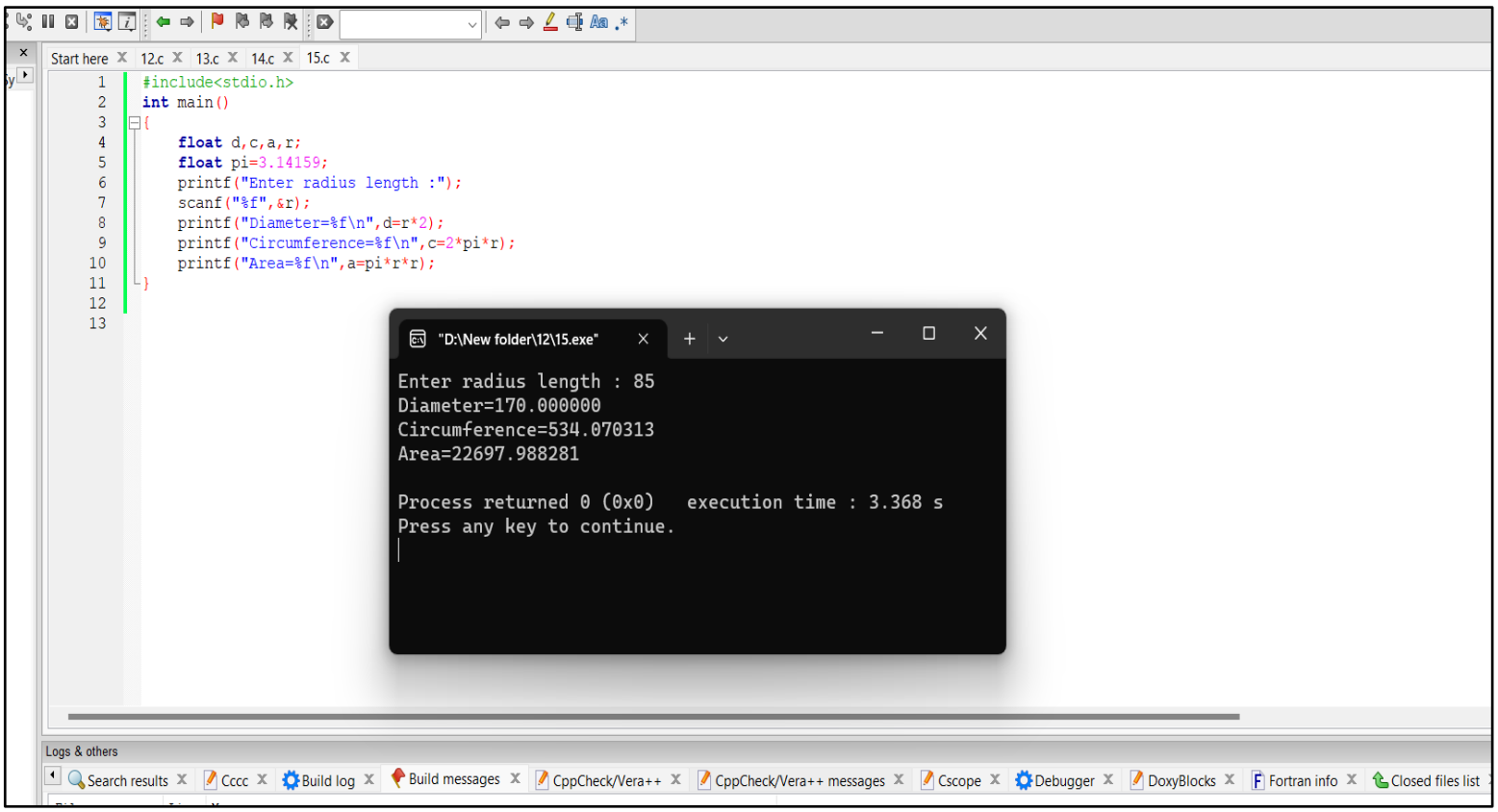
```
#include<stdio.h>
int main ()
{
   float bs,ns;
   char name [15];

   printf("Enter your name :");
   scanf("%s",&name);
   printf("Enter your basic salary :");
   scanf("%f",&bs);
   if (bs<=5000)
      ns=bs+bs*.05;
```

```
else if (bs<=10000)
   ns=bs+bs*.1;
else
   ns=bs+bs*.15;
printf("%s your new salay is %f",name,ns);
}
```



4.

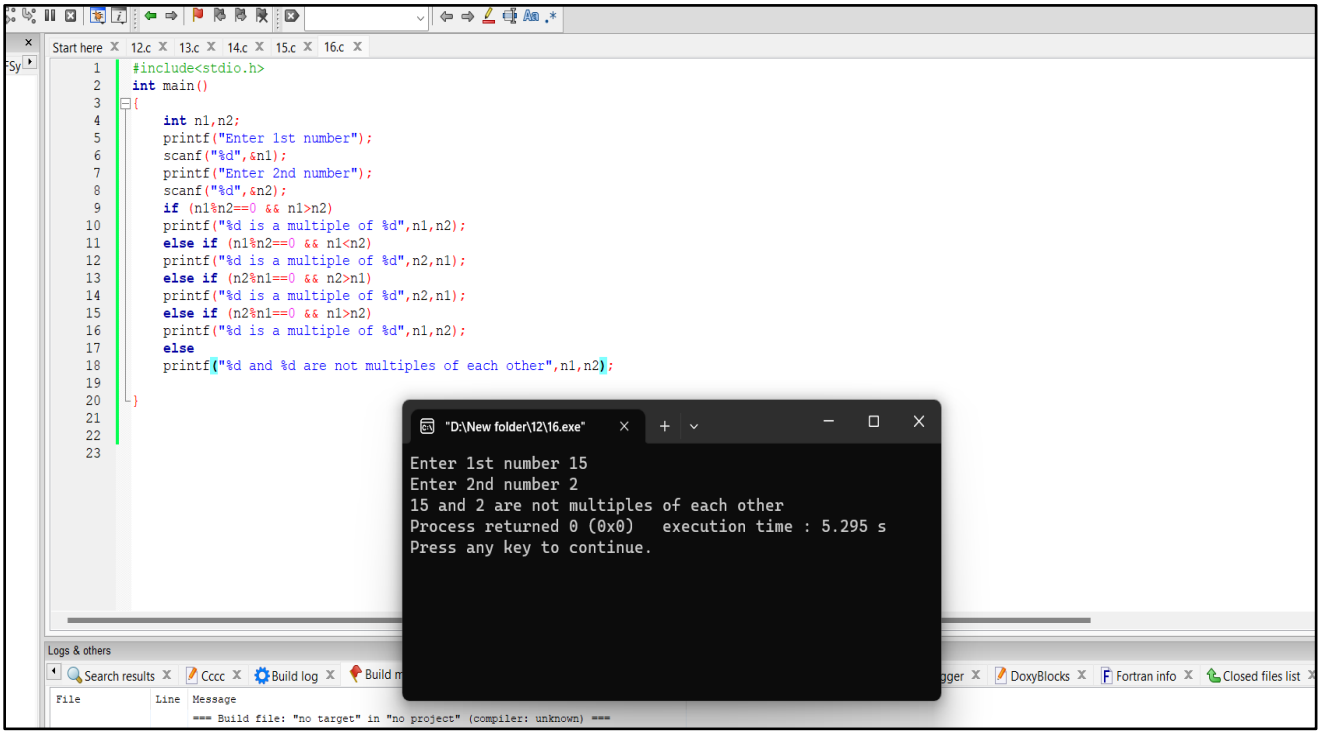
```
#include<stdio.h>
int main ()
{
   float d,c,a,r;
   float pi=3.14159;
   printf("Enter radius length :");
   scanf("%f",&r);
   printf("Diameter=%f\n",d=r*2);
   printf("Circumference=%f\n",c=2*pi*r);
   printf("Area=%f\n",a=pi*r*r);
}
```



5.

```
#include<stdio.h>
int main()
{
   int n1,n2;
   printf("Enter 1st number");
   scanf("%d",&n1);
   printf("Enter 2nd number");
   scanf("%d",&n2);
   if (n1%n2==0 && n1>n2)
   printf("%d is a multiple of %d",n1,n2);
   else if (n1%n2==0 && n1<n2)
   printf("%d is a multiple of %d",n2,n1);
   else if (n2%n1==0 && n2>n1)
   printf("%d is a multiple of %d",n2,n1);
   else if (n2%n1==0 && n1>n2)
   printf("%d is a multiple of %d",n1,n2);
   else printf("%d and %d are not multiples of each other",n1,n2,);
```

}



7.

```
#include<stdio.h>
int main ()
{
   float bs,ts,fs,es;
   char c;
   int m;

   printf("Enter your basic salary\n");
   scanf("%f",&bs);
      if (bs>=50000)
         ts=bs+bs*.15;
      else if (bs<25000)
         ts=bs+bs*.12;
      else
```

```
        ts=bs+bs*.1;

    printf("Enter your number of service years\n");
    scanf("%d",&m);
      if (m>=5)
        es=ts+bs*.1;
      else
        es=ts;

      printf ("Enter C if you live in colombo,otherwise enter n \n");
      scanf(" %c",&c);
      if (c=='c')
        fs=es+bs*0.10;
      else
        fs=es;
      printf("Your final salary is %f",fs);
}
```