

## **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);
}
```

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▶
                      #include<Stdio.h>
                      int main()
                     int n1,n2;
printf("Enter first number");
scanf("%d",sn1);
printf("Enter second number");
scanf("%d",sn2);
                     if (n!cn2)
printf("%d is greater than %d",n2,n1);
else if
              10
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                          (n1>n2)
                          printf("%d is greater than %d",n1,n2);
                          printf("%d and %d are equal",n1,n2);
                                                                            "D:\New folder\12\12.exe"
                                                                                                                                                Enter first number2
                                                                           Enter second number6
                                                                           6 is greater than 2
                                                                           Process returned 0 (0x0) execution time : 6.938 s
                                                                           Press any key to continue.
          🔨 🔾 Search results 🗶 📝 Cccc 🗴 🛟 Build log 🗶 🥀 Build messages 🗴 📝 CppCheck/Vera++ 🗶 📝 CppCheck/Vera++ messages 🗴 📝 Cscope 🗴 🛟 Debugger 🗴 📝 DoxygBlocks 🗶 🖡 Fortran info 🗴 🐍 Closed files list 🗴
```

```
#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);
}
```

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                                                                                                                                                                              Start here X 12.c X 13.c X
                                                #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)
                           10
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                                                            printf("%d is the greatest number\n",n1);
                                                else
                          14
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                                                             if (n2>n1 && n2>n3)
                                                             printf("\$d is the greatest number \n",n2);\\
                                                                                                                                                                                                                                      "D:\New folder\12\13.exe"
                                                             printf("%d is the greatest number\n",n3);\\
                                                                                                                                                                                                                                   Enter first number 24
                                                                                                                                                                                                                                   Enter second number 53
                          19
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21
                                                             if (n1<n2 && n1<n3)
                                                                                                                                                                                                                                   Enter third number 23
                                                             printf("\$d is the lowest number \n", n1);\\
                                                                                                                                                                                                                                   53 is the greatest number
23 is the lowest number
                                                            if (n2<n1 && n2<n3)
printf("%d is the lowest number\n",n2);</pre>
                          22
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                                                                                                                                                                                                                                   Process returned 0 (0x0)
                                                                                                                                                                                                                                                                                                                                                  execution time : 7.600 s
                                                  if (n3<n1 && n3<n2)
    printf("%d is the lowest number\n",n3);</pre>
                                                                                                                                                                                                                                   Press any key to continue.
            🗂 🔍 Search results 🗶 🕜 Cccc 🗶 🌣 Build log 🗴 🥀 Build messages 🗴 📝 CppCheck/Vera++ 🗴 📝 CppCheck/Vera++ messages 🗴 📝 Cscope 🗴 🏂 Debugger 🗴 📝 DoxyBlocks 🗴 🕞 Fortran info 🗴 👠 Closed files list 🗴 🔝 Th
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3.

```
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;</pre>
```

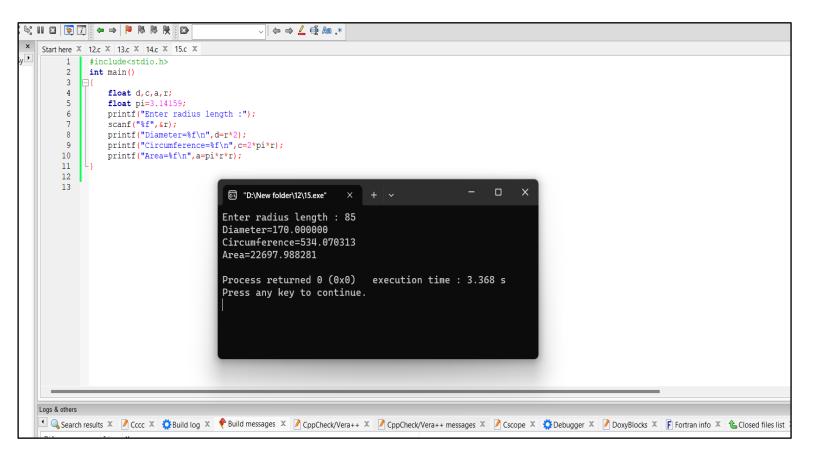
#include<stdio.h>

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

```
Start here X 12.c X 13.c X 14.c X
FSy
                   #include<stdio.h>
                   int main()
                        float bs,ns;
                        char name[15];
                        printf("Enter your name :");
                        scanf("%s",&name);
printf("Enter your basic salary :");
            10
                        scanf("%f", &bs);
                        if (bs<=5000)
ns=bs+bs*.05;
            11
12
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                        else if (bs<=10000)
            14
15
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18
                        ns=bs+bs*.1;
else
                            ns=bs+bs*.15;
                        printf("%s your new salay is %f",name,ns);
                                                                            "D:\New folder\12\14.exe"
                                                                           Enter your name :pamudi
                                                                           Enter your hame .pamuui
Enter your basic salary : 2500
pamudi your new salay is 2625.000000
Process returned 0 (0x0) execution time : 24.134 s
Press any key to continue.
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```

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);
}
```



```
#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,);
```

```
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 Start here X 12.c X 13.c X 14.c X 15.c X 16.c X
                      #include<stdio.h>
                      int main()
                            int nl,n2;
printf("Enter 1st number");
scanf("%d",snl);
printf("Enter 2nd number");
scanf("%d",sn2);
if (nl%n2=0 &6 nl>n2)
printf("%d is a multiple of %d",n1,n2);
else if (nl%n2=0 &6 nl<n2)
printf("%d is a multiple of %d",n2,n1);
else if (n2%n1==0 &6 n2>n1)
printf("%d is a multiple of %d",n2,n1);
else if (n2%n1==0 &6 nl>n2)
printf("%d is a multiple of %d",n2,n1);
else if (n2%n1==0 &6 nl>n2)
printf("%d is a multiple of %d",n2,n1);
else if (n2%n1==0 &6 nl>n2)
         10
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                              printf("%d and %d are not multiples of each other",n1,n2);
                                                                                                "D:\New folder\12\16.exe"
                                                                                               Enter 1st number 15
                                                                                              Enter 2nd number 2
                                                                                              15 and 2 are not multiples of each other
Process returned 0 (0x0) execution time : 5.295 s
                                                                                              Press any key to continue.
Logs & others
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                            Line Message
                                     === Build file: "no target" in "no project" (compiler: unknown)
```

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</pre>
```

```
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);
```

ts=bs+bs\*.1;

}

```
Start here X | 12.c X | 13.c X | 14.c X | 15.c X | 16.c X | 17.c X
      1
           #include<stdio.h>
           int main()
               float bs, ts, fs, es;
               char c;
                                                                                 "D:\New folder\12\17.exe"
               int m;
                                                                                Enter your basic salary
               printf("Enter your basic salary\n");
               scanf("%f", &bs);
                                                                                2000
     10
                  if (bs>=50000)
                                                                                Enter your number of service years
     11
                       ts=bs+bs*.15;
                                                                                15
     12
                   else if (bs<25000)
                                                                               Enter C if you live in colombo, otherwise enter n
     13
                       ts=bs+bs*.12;
     14
                                                                               Your final salary is 2440.000000
Process returned 0 (0x0) execution time : 21.561 s
     15
                       ts=bs+bs*.1;
     16
               printf("Enter your number of service years\n");
     17
                                                                                Press any key to continue.
               scanf("%d", &m);
     18
     19
                   if (m>=5)
                       es=ts+bs*.1;
     20
     21
                   else
     22
                       es=ts;
     23
     24
                   printf ("Enter C if you live in colombo, otherwise enter n \n");
     25
                   scanf(" %c", &c);
     26
                   if (c=='c')
     27
                       fs=es+bs*0.10;
     28
     29
     30
                   printf("Your final salary is %f",fs);
     31
Logs & others
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```