

```

C ass3Q1.c > main()
1 //write a program to check whether a given no is positive or onn positive
2 #include<stdio.h>
3 int main()
4 { int a;
5   printf("enter the no\n");
6   scanf("%d",&a);
7   if(a>0)
8     printf("your no is positive");
9   if(a<0)
10    printf("your no is negative");
11   return 0;
12
13 }
    
```

```

PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3Q1.c -o ass3Q1 } ; if
}
enter the no
5
your no is positive
PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3Q1.c -o ass3Q1 } ; if
}
enter the no
-3
your no is negative
PS C:\Users\md shahid akhtar\c tutorial courses>
    
```

```
1 //write a program to check whether a given no is divisiblr by 5 or not
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf("enter the no ");
7     scanf("%d",&a);
8     if(a%5==0)
9         printf("no is divisible by 5");
10    else
11        printf("not divisible by 5");
12    return 0;
13 }
```

Code

```
PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3Q2.c -o ass3Q2 } ; if
}
enter the no 10
no is divisible by 5
PS C:\Users\md shahid akhtar\c tutorial courses>
```

```

e
:
exe
c
exe
c
xe
c
exe

```

[Code](#)




```

C ass3Q4.c > ...
1 //write a program to check a given no is even or odd without using a % operator
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf("enter the no\n");
7     scanf("%d",&a);
8     if(a&1==1)
9         printf("odd\n");
10    else
11        printf("even\n");
12    main();
13    return 0;
14 }
    
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL Code

Windows PowerShell

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PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if (\$?) { gcc ass3Q4.c -o ass3Q4 } ; if

}

enter the no

10

even

enter the no

```
C ass3Q5.c >  main()
```


```
1 //write a program to check whether a given no is three digit or not
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf("enter the no\n");
7     scanf("%d",&a);
8     if(a<=999&&a>=100)
9         printf("three digit no\n");
10    else
11        printf("not three digit no\n");
12    main();
13 }
14
```

Code

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```
PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3Q5.c -o ass3Q5 } ; if
}
enter the no
456
three digit no
enter the no
8890
not three digit no
enter the no
```

SOURCES

```
C ass3Q6.c >  main()
```

```
1 #include<stdio.h>
2 int main()
3 {
4     int a,b;
5     printf("enter the first no a=");
6     scanf("%d",&a);
7     printf("enter the 2nd no b=");
8     scanf("%d",&b);
9     if(a>b)
10    printf("greatest no is a=%d\n",a);
11    else if(a<b)
12    printf("greatest no is b=%d\n",b);
13    else
14    printf("both are equal no which is %d\n",a);
15    main();
16
17
18 }
```

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Code

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```
enter the first no a=4
enter the 2nd no b=5
greatest no is b=5
enter the first no a=
```



```

C assno3Q7.c > main()
1 //to check the roots is real or imaginary or equal
2 #include<stdio.h>
3 int main()
4 {
5     int a,b,c;
6     float D;
7     printf("enter the three no");
8     scanf("%d%d%d",&a,&b,&c);
9     D=b*b-4*a*c;
10    printf("D=%f\n",D);
11    if(D<0)
12        printf("imazinary and distinct roots");
13    else if(D=0)
14        printf("equal and real roots roots");
15    else
16        printf("real and distinct roots");
17    return 0;
18

```

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PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if (\$?) { gcc assno3Q7.c -o assno3Q7 }
no3Q7 }

enter the three no2

3

4

D=-23.000000

imazinary and distinct roots

PS C:\Users\md shahid akhtar\c tutorial courses>


```

C ass3q9.c > main()
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c;
5      printf("enter the three no");
6      scanf("%d%d%d",&a,&b,&c);
7      if(a>b&&a>c)
8          printf("greatest no is a=%d",a);
9      else if(b>a&&b>c)
10         printf("greatest no is b=%d",b);
11     else if(a==b&&a>c)
12         printf("greatest no is a=b=%d",a);
13     else if (a==c&&a>b)
14         printf("greatest no is a=c=%d",a);
15     else if(b==c&&b>a)
16         printf("greatest no is b=c=%d",b);
17     else if(a==b&&b==c)

```

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```

PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3q9.c -o ass3q9 } ; if
}
enter the three no12
1
6
greatest no is a=12
PS C:\Users\md shahid akhtar\c tutorial courses>

```

xe

ke

```
PS C:\Users\md shahid akhtar\c tutorial courses>
```

SOURCES

```
G+ ass3Q11.C > main()
```

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Code

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enter the marks of 5 subject12

13

14

15

13

failed

```
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```



```

C ass3q12.c > main()
1  #include<stdio.h>
2  int main()
3  {
4      char a;
5      printf("enter the alphabet");
6      scanf("%c",&a);
7      if(a>=97&&a<=122)
8          printf("lower case");
9      else
10         printf("upper case");
11 }
    
```

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```
PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3q12.c -o ass3q12 } ; 12 }
```

enter the alphabetB

upper case

```
PS C:\Users\md shahid akhtar\c tutorial courses> |
```

```

C ass3Q13.c > main()
1  #include<stdio.h>
2  int main()
3  {
4      int a;
5      printf("enter the no");
6      scanf("%d",&a);
7      if(a%3==0&&a%2==0)
8          printf("it is divisible by 2 and 3");
9      else
10         printf("it is not divisible by 2 and 3");
11         return 0;
12     }
    
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

```

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PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3Q13.c -o ass3Q13 } ;
13 }
enter the no12
it is divisible by 2 and 3
PS C:\Users\md shahid akhtar\c tutorial courses>
    
```

```

C ass3q14.c > main()
1  #include<stdio.h>
2  int main()
3  {
4      int a;
5      printf("enter the no");
6      scanf("%d",&a);
7      if(a%7==0&&a%3==0)
8          printf("divisible by both 3 and 7");
9      else if(a%7==0)
10         printf("divisible by 7");
11     else if(a%3==0)
12         printf("divisible by 3");
13     else
14         printf("is it divisible by 3 and 7: no ") ;
15 }
    
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL Code

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PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if (\$?) { gcc ass3q14.c -o ass3q14 } ; 14 }

enter the no12

divisible by 3

PS C:\Users\md shahid akhtar\c tutorial courses> |


```
1  #include<stdio.h>
2  int main()
3  {   int a;
4      printf("enter the no");
5      scanf("%d",&a);
6      if(a>0)
7          printf("posive no");
8      else if(a<0)
9          printf("negative no");
10     else
11         printf("zero");
12     return 0;
13 }
```

Code

```
PS C:\Users\md shahid akhtar\c tutorial courses>
```

```

C ass3q16.c > main()
1  #include<stdio.h>
2  int main()
3  {   char a;
4      printf("enter the any character\n");
5      scanf("%c",&a);
6
7      if(a>=65&&a<=90)
8          printf("upper case alphabet\n");
9      else if(a>=97&&a<=122)
10         printf("lower case alphabet\n");
11     else if(a>=48&&a<=57)
12         printf("digit\n");
13     else
14         printf("special chracter\n");
15
16 }
    
```

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```

PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3q16.c -o ass3q16 } ;
16 }
enter the any character
a
lower case alphabet
PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3q16.c -o ass3q16 } ;
16 }
enter the any character
1
digit
PS C:\Users\md shahid akhtar\c tutorial courses>
    
```

SOURCES

```
C ass3q17.c >  main()
```

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c;
5      printf("enter the leneth of triangle");
6      scanf("%d%d%d",&a,&b,&c);
7      if(a+b>c&&b+c>a&&a+c>b)
8          printf("valid triangle");
9      else
10         printf("invalid triangle");
11         return 0;
12     }
13
14
15
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

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```
enter the lenth of triangle2
```

3

3

valid triangle

```
PS C:\Users\md shahid akhtar\c tutorial courses>
```


SOURCES

```

C ass3q18.c > main()
1  #include<stdio.h>
2  int main()
3  {   int a;
4      printf("enter the any no(b/w 1 to 12) for motnth");
5      scanf("%d",&a);
6      if(a==1)
7          printf("31 days");
8      else if(a==2)
9          printf("28 days");
10     else if(a==3)
11         printf("31 days");
12     else if(a==4)
13         printf("30days");
14     else if(a==5)
15         printf("31 days");
16     else if(a==6)
17         printf("30 days");
  
```

 PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

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```

PS C:\Users\md shahid akhtar\c tutorial courses> cd "c:\Users\md shahid akhtar\c tutorial courses\" ; if ($?) { gcc ass3q18.c -o ass3q18 } ;
18 }
  
```

enter the any no(b/w 1 to 12) for motnth12

31days

```

PS C:\Users\md shahid akhtar\c tutorial courses>
  
```

Ln 17, Col 23 Spaces: 4 UTF-8 CRLF

