

Turbo C++ IDE

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L5.CPP 7=

```
#include<stdio.h>
int main()
{
    int a=2,n,f;
    printf("Enter the number\n");
    scanf("%d",&n);
    printf("prime number are:\n");
    for(a=2;a<=n;a++)
    {
        f=0;
        for(int j=1;j<=n;j++)
        {
            if(a%j==0)
                f++;
        }
        if(f==2)
            printf("%d\n",a);
    }
    return 0;
}
```

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```
Turbo C++ IDE
prime number are:
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
Enter the number
10
prime number are:
2
3
5
7
Enter the number
```

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L5.CPP 7
L4.C 8-[[1]]

```
#include<stdio.h>
int main()
{
    int n,f=0;
    printf("Enter the number\n");
    scanf("%d",&n);
    if(n==1)
        printf("It is neither prime nor composite number\n");
    for(int i=1;i<=n;i++)
    {
        if(n%i==0)
            f++;
    }
    if(f==2)
        printf("%d is prime no.\n",n);
    else
        printf("composite number\n");
    return 0;
}
```

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L5.CPP 7
L4.C 8
L1.C [!]

```
#include<stdio.h>
int main()
{
    int n;
    printf("Enter the number\n");
    scanf("%d",&n);
    printf("Digits are:\n");
    while(n!=0)
    {
        int i=n%10;
        printf("%d\n",i);
        n=n/10;
    }
    return 0;
}
```

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```
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2
1
Enter the number
64565
Digits are:
Enter the number
123568
Digits are:
-7
-5
0
-4
Enter the number
45
Digits are:
4
5
Enter the number
199
Digits are:
1
9
9
Enter the number
```

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```
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0
80
0
-386
4
-224
-216
232
516
6442
-10
230
230
1266
1260
Enter the number
6547
ODD digits are:
5
7
EVEN digits are:
6
4
Enter the number
```

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L3.C

```
#include<stdio.h>
#include<stdlib.h>
#define max 100
int main()
{
    int n,i=0,j=0,arr[max];
    printf("Enter the number\n");
    scanf("%d",&n);
    printf("odd digits are:\n");
    while(n>0)
    {
        arr[i++]=n%10;
        n/=10;
    }
    for(j=i-1;j>=0;j--)
    {
        if(arr[j]%2==1)
            printf("%d\n",arr[j]);
    }
    printf("even digits are:\n");
    for(j=i-1;j>=0;j--)
```

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L3.C

```
printf("Enter the number\n");
scanf("%d",&n);
printf("000 digits are:\n");
while(n>0)
{
    arr[i++]=n%10;
    n/=10;
}
for(j=i-1;j>=0;j--)
{
    if(arr[j]%2==1)
        printf("%d\n",arr[j]);
}
printf("EVEN digits are:\n");
for(j=i-1;j>=0;j--2)
{
    if(arr[j]%2==0)
        printf("%d\n",arr[j]);
}
return 0;
}
```

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```
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6
4
Enter the number
5654
ODD digits are:
5
5
EVEN digits are:
6
4
Enter the number
29
prime number are:
2
3
5
7
11
13
17
19
23
29
Enter the number
```

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