

1. What is the out put of the following code.

```
int main()
{
    int n, fact=1;
    cin>>n;
    while(n>1)
    {
```

```
        Fact*=n--;
    }
    Cout<<"The factorial of
%d<<fact;
    return 0;
}
```

2. WAP that check wether a number is prime or not.

```
Int main()
{
    int n, count;
    for(int 1=1;i<=n;1++)
    {
        if(n%i==0)
            count++;
    }
    if(count!=2)
```

```
{
    Cout<<n<<" is prime";
}
else
{
    Cout<<n<<" is prime";
}
}
```

3. WAP that print the first n prime numbers.

```
int main()
{
    int no, terms, I,j,sign,m;

    cout<<"Enter how many prime numbers
you want...\n";

    cin>>terms;

    no=3; i=1;
    while(i<=terms){
        sign=0; j=2;

        while(j<no && sign!=1){
            m=no%j;
```

```
if(m==0) sign=1;

            ++j;
        }

        If(sign==0){
            Cout<<no<<" ";

            ++I;
        }

        no++;
    }

    return 0;
}
```

4. WAP that display multiplication table of the first 12 numbers.
5. WAP that generate multiples of 5 less than 100.
6. WAP display the given number in reverse order and display the sum of digits. [Hint: if you enter 5623 the program will display 2365 as reverse and 16 as sum of 5+6+2+3.

```

long n, sum=0;
cout<<"Enter the number\n";
cin>>n;
do{
    cout<<(n%10);
    sum+=(n%10);
    n/=10;
}while(n>=10);
cout<<n;
sum+=n;
cout<<"\nSum="<<sum;

```

7. What is the out put of the following code?

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
clrscr();
```

```
for(int i=5;i>=1;i--)
```

```
{
```

```
for(int k=5;k>i;k--)
```

```
cout<<" ";
```

```
for(int j=1;j<=i;j++){
```

```
cout<<j<<" ";
```

```
}
```

```
cout<<endl;
```

```
}
```

```
getch();
```

```
}
```

8. WAP that promt the user to enter 3 digit number and check wither the middle number is equal to the sum of extreme numbers or not.

9. WAP that displays the following using for loop.

a.

```

                    5
                4    5
            3    4    5
        2    3    4    5
    1    2    3    4    5

```

b.

```

$    $    $    $    $    $    $
    $    $    $    $    $
        $    $    $

```

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