

Practical Programs for Computer Application(Commerce)

1)write a program to find the area of a Triangle.

```
#include<iostream>

using namespace std;

int main()

{

int area,base,height;

cout<<"Enter the base and height";

cin>>base>>height;

area=0.5*base*height;

cout<<"Area= "<<area;

}
```

2)Write a program to reverse a three digit number

```
#include<iostream>

using namespace std;

int main()

{

int n,rem,s=0;

cout<<"Enter a three digit number";

cin>>n;

while(n>0)

{
```

```
rem=n%10;

s=s*10+rem;

n=n/10;

}

cout<<s;

return 0;

}
```

3)Write a program to find the smallest of three numbers

```
#include<iostream>

using namespace std;

int main()
{
    int a,b,c;
    cout<<"Enter three numbers";
    cin>>a>>b>>c;
    if(a<b)

    {

        if(a<c)
            cout<<" a is small";
        else
            cout<<"c is small";
    }
    else

    {
        if(b<c)
            cout<<"b is small";
        else
```

```
        cout<<"c is small";  
    }  
  
}
```

4)Write a program to find if a number is prime or not

```
#include<iostream>  
using namespace std;  
int main()  
{  
    int num,flag=0,i;  
    cout<<"Enter a Number";  
    cin>>num;  
    for(i=2;i<num;i++)  
    {  
  
        if(num%i==0)  
        {  
  
            flag=1;  
            break;  
        }  
  
    }  
  
    if(flag==0)  
        cout<<"Number is Prime";  
    else  
        cout<<"Number is Not Prime";  
}
```

5)Write a program to check if a number is Even or Odd

```
#include<iostream>  
using namespace std;  
int main()  
{  
    int n,rem;  
    cout<<"Enter a number";  
    cin>>n;  
    rem=n%2;  
    if(rem==0)  
    {  
        cout<<"Even";  
    }  
}
```

```
else
{
cout<<"Odd";

}

}
```

6)Write a program to print a day of week

```
#include<iostream>
using namespace std;
int main()
{
int day;
cout<<"Enter the day of week";
cin>>day;
switch (day)
{
case 1:cout<<"Sunday";break;

case 2:cout<<"Monday";break;

case 3:cout<<"Tuesday";break;

case 4:cout<<"Wednesday";break;

case 5:cout<<"Thursday";break;

case 6:cout<<"Friday";break;

case 7:cout<<"Saturday";break;

default :cout<<"Invalid Input";

}

}
```

7)Write a program to find the Factorial of a given number.(Example 3 factorial=1*2*3 ie,6)

```
#include<iostream>
using namespace std;
int main()
{
```

```

int n,i,fact=1;

cout<<"Enter a number";

cin>>n;

for(i=1;i<=n;i++)

{

    fact=fact*i;

}

cout<<"Fatorial ="<<fact;

}

```

8)Write a program to find the sum of the digits of a threedigit number

```

#include<iostream>
using namespace std;
int main()
{
    int n,rem,s=0,i;
    cout<<"Enter a three digit number";
    cin>>n;
    for(i=0;i<3;i++)
    {
        rem=n%10;
        s=s+rem;
        n=n/10;
    }
    cout<<"Sum of digits="<<s;

}

```

9)Write a program to print the pattern

```

1

2 2

3 3 3

4 4 4 4 4

```

5 5 5 5 5 5

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
    int i,j;
```

```
    for(i=1;i<=5;i++)
```

```
    {
```

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

```
        {
```

```
            cout<<"\t"<<i;
```

```
        }
```

```
        cout<<"\n";
```

```
    }
```

```
}
```

10)Write a program to print the pattern

A

B B

C C C

D D D D

E E E E E

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int i,j;
```

```
char ch=65;
```

```
for(i=1;i<=5;i++)
```

```
{
```

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

```
{
```

```
cout<<"t"<<ch;
```

```
}
```

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

```
ch=ch+1;
```

```
}
```

```
}
```

11)Write a program to print

```
*
```

```
* *
```

```
* * *
```

```
* * * *
```

```
* * * * *
```

```
#include<iostream>
```

```
using namespace std;
```

```

int main()
{
    int i,j;

    for(i=1;i<=5;i++)

    {

        for(j=1;j<=i;j++)

        {

            cout<<"\t"<<"*";

        }

        cout<<"\n";

    }

}

```

12) Write a program to produce the following output using nested loop

A

AB

ABC

ABCD

ABCDE

```

#include<iostream>

using namespace std;

int main()

{
    int i,j;
    for(i=1;i<=5;i++)
    {
        char ch=65;

```

```

for(j=1;j<=i;j++)
{
    cout<<"\t"<<ch;
}
    cout<<"\n";
    ch=ch+1;
}

}

```

13. Write a program to find the sum of first n natural numbers

```

#include<iostream>

using namespace std;

int main()

{

    int n,s=0,i;

    cout<<"enter a value";

    cin>>n;

    for(i=1;i<=n;i++)

    {

        s=s+i;

    }

    cout<<"Sum ="<<s;

}

```

14. Write a program to print the Multiplication table of a given number

```

#include<iostream>
using namespace std;
int main()

```

```
{  
int n,i;  
  
cout<<"enter a value";  
cin>>n;  
for(i=1;i<=10;i++)  
{  
    cout<<n<<"*"<<i<<"="<<n*i;  
    cout<<"\n";  
}  
}
```