//1.WAP to check whether two numbers (enterd ny user)are equal or not..

```
#include<iostream>
using namespace std;
int main()
{
   int x,y;
   cout<<"Enter the first number:";
   cin>>x;
   cout<<"Enter the second number:";
   cin>>y;
   cout<<(x==y)? true:false;
   return 0;

}
```

//2.WAP to take the values of two variables a and b from the keyboard and then check if both the conditions

'a<50'and 'a<b' are true..

```
#include<iostream>
using namespace std;
int main()
{
   int a,b;
   cout<<"enter the value of a:";
```

```
   cin>>a;
   cout<<"Enter the value of b:";
   cin>>b;
   cout<<((a<50) && (a<b))?1:0;
   return 0;
}
```

//3.There are 45 total pupils in the class 25 of whom are boys. WAP to find how many girls received grade A if 17 boys made up to 80% of thr students that received grade A.

```
#include<iostream>
using namespace std;
int main()
{
   int boys , girls ,total;
   boys= 17;
   total=(80*45)/100;
   girls= total-boys;

   cout<<"Total numbers of girls having A grade:"<<girls<<endl;

   return 0;
}
```

//4. WAP to calculate the sum of first and second last digit of a 5 digit number.

```
#include<iostream>
using namespace std;
int main()
{
   int n,first,second,third,fourth,fifth,sum;
    n = 34156;
     first = n/10000;
     n=n%10000;

     second = n/1000;
     n=n%1000;

     third = n/100;
     n=n%100;

     fourth = n/10;
     n=n%10;

     fifth=n%10;

     sum= first + fourth;
     cout<<"Sum of fourth and fifth digit is:"<<sum<<endl;
     return 0;
```

```
}

//5. WAP to calculate the sum of digits of a 3 digit number..

#include<iostream>
using namespace std;
int main()
{
   int n,first,second,third,sum;
   n=456;
   first= n/100;
   n=n%100;

   second= n/10;
   n=n%10;

   third = n%10;

   sum = first + second+ third;
   cout<<"Sum of all the digits of number is:"<<sum<<endl;
   return 0;
}

//6..Design a calculation  to perform basic arithmetic operation (+,-,/,,*,%)..
```

```
#include<iostream>
using namespace std;
int main()
{
   int a,b,sum,sub,mul;
   float divi;
   cout<<"Enter the value of a and b:";
   cin>>a>>b;

   sum=a+b;
   sub=a-b;
   mul=a*b;
   divi=a/b;

   cout<<"sum is:"<<sum<<endl;
   cout<<"substration is: "<<sub<<endl;
   cout<<"multipliaction is:"<<mul<<endl;
   cout<<"division is:"<<divi<<endl;

   return 0;

}
```