

```
Ans.1 #include<iostream>
using namespace std;
int main()
{

    int a;
    cout<<"Enter ur number";
    cin>>a;
    if(a%2==0)
    cout<<"its an even";
    else
    cout<<"its an odd";
    return 0;
}
```

```
Ans2. #include<iostream>
using namespace std;
int main()
{

    int a;
    cout<<"Enter ur number";
    cin>>a;
    If(a>=100 && a<=999 && a%2!=0)
    cout<<"its an odd";
    else
    cout<<"its not an odd";
    return 0;
}
```

```
Ans3. #include<iostream>
using namespace std;
int main()
{

    int a;
    cout<<"Enter ur number";
    cin>>a;
    if(a>=1000 && a<=9999 && a%2==0)
    cout<<"its an even";
    else
    cout<<"its not an even";
    return 0;
}
```

```

Ans4. #include<iostream>
using namespace std;
    int main()
{

    int a;
    cout<<"Enter ur number";
    cin>>a;
    if(a%4==0 || a%5==0 || a%6==0)
    cout<<"its divisible by 4,5,6";
    else
    cout<<"its not divisible by 4,5,6";
    return 0;
}

```

```

Ans5. #include<iostream>
using namespace std;
    int main()
{

    int a;
    cout<<"Enter ur number";
    cin>>a;
    if(a>9 && a<99)
    cout<<"Dushyant";
    else
    cout<<"its not two digit integer"
    return 0;;
}

```

```

Ans6. #include<iostream>
using namespace std;
    int main()
{

    float a,b,c;
    cout<<"Enter ur number";
    cin>>a>>b>>c;
    if(a>=b && a>=c)
    cout<<"the greater is"<<a;
    if(b>=a && b>=c)
    cout<<"the greater is"<<b;
    if(c>=a && c>=b)
    cout<<"the greater is"<<c;
}

```

```
        return 0;
    }
```

Ans7. #include<iostream>

using namespace std;

```
    int main()
{
```

```
    float a,b,c;
    cout<<"Enter ur number";
    cin>>a>>b>>c;
    if(a<=b && a<=c)
    cout<<"the smaller no. is:"<<a;
    if(b<=a && b<=c)
    cout<<"the smaller no. is:"<<b;
    if(c<=a && c<=b)
    cout<<"the smaller no. is:"<<c;
    return 0;
```

```
}
```

Ans8.#include<iostream>

using namespace std;

int main()

```
{
```

```
    int a = 245,n,m,sum;
    n = a % 10;
    a = a / 10;
    m = a % 10;
    a = a / 10;
    sum = n + a + m;
    cout<<"sum of digit is :"<<sum;
    return 0;
```

```
}
```

Ans9. #include<iostream>

using namespace std;

```
    int main()
{
```

```
    char n;
    cout<<"enter ur vowel";
    cin>>n;
    if(n == 'A' || n == 'E' || n == 'I' || n == 'O' || n == 'U' )
```

```

        cout<<"its an uppercase";
        if(n == 'a' || n == 'e' || n == 'i' || n == 'o' || n == 'u')
            cout<<"its a lowercase";
        else
            cout<<"ERROR! its not a vowel";
        return 0;
    }

```

Ans.12 #include<iostream>

using namespace std;

int main()

```

{
    int a;
    cout<<"Enter ur first number:";
    cin>>a;
    int b;
    cout<<"enter ur second no.:";
    cin>>b;
    int c;
    c = a + b;
    cout<<"\naddition of both no.is:"<<c;
    c = b - a;
    cout<<"\nsubtraction of both no. is:"<<c;
    c = a * b;
    cout<<"\nmultiplication of both no.is:"<<c;
    c = a / b;
    cout<<"\ndivision of both no. is:"<<c;
    c = a % b;
    cout<<"\nmod of both no.is:"<<c;
    return 0 ;
}

```

Ans 13. #include <iostream>
using namespace std;

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

    if((a < b && b < c) || (c < b && b < a))
        cout<<b;

    else if((b < a && a < c) || (c < a && a < b))
        cout<<a;

    else
        cout<<c;
    return 0;
}
```

Ans14. #include<iostream>
using namespace std;

```
int main()
{
    float English,Hindi,Mathematics,Science,Total,Percent;
    cout<<"\nEnter ur English no.:";
    cin>>English;

    cout<<"\nEnter ur hindi no,";
    cin>>Hindi;

    cout<<"\nEnter ur mathematics no.";
    cin>>Mathematics;

    cout<<"\nEnter ur science no.";
    cin>>Science;\

    Total = English+Hindi+Mathematics+Science;

    cout<<"\nthe sum of total subject is:"<<Total;

    Percent = Total/400*100;
    cout<<"\nNow ur percent will be:"<<Percent;
```

```

        if(Percent<40)
        cout<<"\nRe Appear";

        if(Percent>=40 && Percent<50)
        cout<<"\n3rd Division";

        if(Percent>=50 && Percent<60)
        cout<<"\n2nd Division";

        if(Percent>=60)
        cout<<"\n1st Division";

        return 0;

}

```

Ans 15. #include<iostream>
using namespace std;
int main()
{
 int year;
 cout<<"Enter ur year:";
 cin>>year;

 if(year%4==0)

 cout<<"its a leap year";
 else
 cout<<"its not a leap year";
}

Ans16.#include<iostream>
using namespace std;
int main()
{
 int salary,net_salary,bonus;
 cout<<"enter salary : ";
 cin>>salary;
 if(salary>=15000)
 {
 bonus=(salary*10)/100;
 net_salary=salary+bonus;
 cout<<"\tsalary="<<salary;

```

        cout<<"\tBonus="<<bonus;
        cout<<"\t\tNet salary= "<<net_salary;
    }
    else
    if(salary<15000&&salary>=10000)
    {
        bonus=(salary*8)/100;
        net_salary=salary+bonus;
        cout<<"\tsalary="<<salary;
        cout<<"\tBonus="<<bonus;
        cout<<"\t\tNet salary= "<<net_salary;
    }
    else
    if(salary<10000)
    {
        bonus=(salary*0)/100;
        net_salary=salary+bonus;
        cout<<"\tsalary="<<salary;
        cout<<"\tBonus="<<bonus;
        cout<<"\t\tNet salary= "<<net_salary;
    }
    return 0;
}

```

Ans.17 #include<iostream>

using namespace std;

int main()

```

{
    int a,b,count=0;
    cin>>a;
    if(a>=1000 && a<=9999)
    {
        b = a%10;
        a = a/10;
        if(b%2==0)
        {
            count=count+1;
        }
        b = a%10;
        a = a/10;
        if(b%2==0)
        {
            count = count+1;
        }
    }
}

```

```
        if(a%2==0)
        {
            count=count+1;
        }

        cout<<"count of even digits"<<count;

    }
    else{
        cout<<"not a valid no.";
    }

    return 0;
}
```