

Q1 //Write a program to check whether a given number is positive or non positive.

```
#include<stdio.h>

int main()
{
    int a;
    printf("enter any number\n");
    scanf("%d",&a);
    if(a>0)
        printf("number is positive\n");
    if(a<=0)
        printf("number is non positive");
    return 0;
}
```

Q 2//Write a program to check whether a given number is divisible by 5 or not

```
#include<stdio.h>

int main()
{
    int r;
    printf("enter any number\n");
    scanf("%d",&r);
    if(r%5==0)
    {
        printf("number is divisible by 5");
    }
    else
    {
        printf("number is not divisible by 5");
    }
    return 0;
}
```

Q3 //Write a program to check whether a given number is an even number or an odd number.

```
#include<stdio.h>

int main()
{
    int a;
    printf("enter any number\n");
    scanf("%d",&a);
    if(a%2==0)
    {
        printf("number is even");
    }
    else
    {
        printf("number is odd");
    }
    return 0;
}
```

Q4 //Write a program to check whether a given number is an even number or an odd number without using % operator.

```
#include<stdio.h>

int main()
{
    int n;
    printf("enter any number\n");
    scanf("%d",&n);
    if((n&1)==0)
    {
        printf("number is even\n");
    }
    else
```

```

{
    printf("number is odd");
}
return 0;
}

```

Q 5 //Write a program to check whether a given number is a three digit number or not.

```

#include<stdio.h>

int main()
{
    int a;
    printf("enter any number\n");
    scanf("%d",&a);
    if(a>=100&&a<=999)
    {
        printf("given number is a three digit");
    }
    else
    {
        printf("number is not three digit");
    }
}

```

Q6 //Write a program to print greater between two numbers.print one number if both are the same

```

#include<stdio.h>

int main()
{
    int a,b;
    printf("enter two numbers\n");
    scanf("%d%d",&a,&b);
    if(a>b)

```

```

{
    printf("a is greater\n");
}
else if(b>a)
{
    printf("b" is greater\n");
}
else
{
    printf("numbers are both are the same");
}
return 0;
}

```

Q8 //Write a program to check whether a given year is leap year or not.

```

#include<stdio.h>

int main()
{
    int year;
    printf("enter an year\n");
    scanf("%d",&year);
    if(year%4==0)
    {
        printf("year is leap\n");
    }
    else
    {
        printf("yera is not leap");
    }
    return 0;
}

```

Q9 //Write a program to find the greatest among three given numbers.print number once if the greatest number appears two or three times.

```
#include<stdio.h>

int main()
{
    int a,b,c;
    printf("enter three numbers\n");
    scanf("%d%d%d",&a,&b,&c);
    if(a>b&&a>c)
    {
        printf("a is greater\n");
    }
    else if(b>a&&b>c)
    {
        printf("b is greater\n");
    }
    else
    {
        printf("c is greater");
    }
    return 0;
}
```

Q10 //Write a program which take the cost price and selling price of a product from the user.Now calculate and print profit or loss percentage.

```
#include<stdio.h>

int main()
{
    int cp,sp,lp;
    printf("enter cost and selling price");
    scanf("%d%d",&cp,&sp);
```

```
lp=(sp-cp/cp)*100;  
printf("loss profit=%d",lp);  
return 0;  
}
```