

① write a C program to Strong number.

```
#include <stdio.h>
```

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

```
int main ( )
```

```
{
```

```
    int a, temp, digit, fact, i, sum=0;
```

```
    printf ("Enter a value");
```

```
    scanf ("%d", &a);
```

```
    temp = a;
```

```
    while (a > 0)
```

```
{
```

```
        digit = a % 10;
```

```
        fact = 1;
```

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

```
{
```

```
            fact *= i;
```

```
}
```

```
        sum += fact;
```

```
        temp = temp / 10;
```

```
}
```

```
if (sum == num)
```

```
{ printf (" It Is a strong number);
```

```
}
```

```
else
```

```
{ printf (" It is not a strong number");
```

```
}
```

```
getch();
```

```
return 0;
```

```
}
```

Output:-

Enter a Value: 145

Is a ~~prime~~ strong number.

② Write a C Program to perfect number.

```
#include <stdio.h>
```

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

```
int main ( )
```

```
{ int a, i, sum = 0;
```

```
printf ("Enter a value");
```

```
scanf ("%d", &a);
```

```
for (i = 1; i <= a/2; i++)
```

```
{ if (num % i == 0)
```

```
{ sum = sum + i;
```

```
}
```

```
}
```

```
if (sum == num)
```

```
{ printf (" Is a perfect number.");
```

}

else

{ printf ("Is not a Perfect Numb.");

}

getch ();

return 0;

}