

Q) TO check a strong number.

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

```
int factorial (int n)
```

```
{
```

```
    int i, fact = 1;
```

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

```
{
```

```
        fact = fact * i;
```

```
    }  
    return fact;
```

```
}
```

```
int main(void)
```

```
{
```

```
    int number, sum = 0;
```

```
    printf("Enter the number:");
```

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

```
    int i = n;
```

```
    while (i != 0)
```

```
{  
    sum = sum + factorial(i % 10);
```

```
    i = i / 10;
```

```
}
```

```
if (sum == n)
```

```
{  
    printf("%d is strong number", number);
```

```
}
```

```
else
```

```
{  
    printf("%d is not a strong number", number);
```

```
}
```

```
}
```

② perfect number:-  
an

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

```
int main() {
```

```
    int number, i, sum = 0;
```

```
    printf("Enter a positive integer: ");
```

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

```
    if (number <= 0) {
```

```
        printf("Enter a positive number integer: \n");
```

```
    }
```

```
    for (i = 1; i < number; i++) {
```

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

```
            sum += i;
```

```
        }
```

```
    }
```

```
    if (sum == number) {
```

```
        printf("%d is a perfect number. \n", number);
```

```
    } else {
```

```
        printf("%d is not a perfect number. \n", number);
```

```
    }
```

```
    return 0;
```

```
}
```