

Problem27: Separate digits of a given number.

Code:

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

```
int main() {
```

```
    int num, digit;
```

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

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

```
    printf("Digits of the number are:\n");
```

```
    while (num > 0) {
```

```
        digit = num % 10;
```

```
        printf("%d\n", digit);
```

```
        num = num / 10;
```

```
    }
```

```
    return 0;
```

```
}
```

Output:

4678

Digits: 4 6 7 8