Seatwork

1. Write a program that will display positive even numbers from 1 to n.
2. Write a program that will display the first n positive odd integers.
3. Write a program that will display the first n positive odd integers greater than val.
4. Write a program that will compute for the sum of the first n positive integers.
5. Write a program that will compute for the sum of the first n positive odd integers.
6. Write a program that will compute for the number of days from January until *month*. *month* may be any value between 1 – 12.
7. Write a program that will compute for $n!$ (*factorial of* n).
8. Write a program that will allow the user to enter an integer value *count*, and allow the user to enter *count* integer inputs. After all inputs are given, the program displays the input values.
9. Write a program that will allow the user to enter an integer value *count*, and allow the user to enter *count* integer inputs. After all inputs are given, the program displays the sum of these input values.
10. Write a program that will allow the user to continuously input non-negative integer values. Input ends when the user enters a negative value. After all inputs are given, the program displays the input values, the total number of inputs and the sum of all the non-negative inputs.
11. Write a program that will allow the user to continuously input non-negative integer values. Input ends when the user enters a negative value. After all inputs are given, the program displays number of positive even inputs and the sum of all the non-negative even inputs.
12. Write a program that will allow the user to enter a positive integer value. The program displays the digits of this value in reverse order.

```
Enter a number:  1234                    Enter a number:  34530
Display in reverse:  4321                Display in reverse:  03543
```

Homework

1. Write a program that will allow the user to enter a positive integer value. The program displays the number of digits of the input.

```
Enter a number:  1234                    Enter a number:  34530
Number of digits:  4                     Number of digits:  5
```

2. Write a program that will allow the user to enter a positive integer value. The program displays in reverse the even-valued digits.

```
Enter a number:  1234                    Enter a number:  5397131
Display even-digits in reverse:  42      Display even-digits in reverse:
```

3. Write a program that will allow the user to enter a positive integer value. The program **computes** for the reverse of the input.

```
Enter a number:  1234                    Enter a number:  34530
Reverse:  4321                           Reverse:  3543
```

4. Write a program that will allow the user to enter a positive integer value. The program **computes** for the reverse of the input containing only the even-valued digits.

```
Enter a number:  1234                    Enter a number:  34530
Reverse (even digits only):  42          Reverse (even digits only):  0
```