

Test 4 Review

Topics for the Test

- Expressions (variables and operators)
- Branching
- Methods
- Binary numbers
- Looping
- Software Development Lifecycle
- Collections
- History of Computers

New Array Concepts!!!

```
string output = "[";
string[] list = { "Ant", "Bee", "Cat", "Dog" };
output += " " + list.Length;
for (int i = list.Length - 1; i > 0; i--)
{
    output += " " + list[i];
}
output += " ]";
```

Looping

```
string output = "[";
int i = 0;
while (i < 5)
{
    i++;
    output = output + " " + i;
}
output = output + " ]";
```

Looping with Arrays

```
int[] list = new int[10];  
list[0] = 1;  
list[1] = 5;  
for (int i = 2; i < list.Length; i++)  
{  
    list[i] = list[i - 2] + 1;  
}
```

```
string output = "[";  
for (int i = 0 ; i < list.Length ; i++)  
{  
    output = output + " " + list[i];  
}  
output = output + " ]";
```


Expressions

```
int answer = 42;   int score = 10;   int cost = 7;   string name = "Paul";
```

Expression

Type

Value

"My age is " + score + cost

score == 8

7 / 3

answer > 15

cost > 5 && cost < 10

score == 4 || cost == 7
