

# **BCA Optimized Notes by Yash**

Semester IV - Dart Programs

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# Unit 1 - Chapter 2

## Program #1 - Basics

### Code

```
void main() {
    int var1 = 10;
    double var2 = 0.2;
    bool var3 = false;
    string var4 = "0", var5 = "SYBCA - Dart";
    print(var1);
    print(var2);
    print(var3);
    print(var4);
    print(var5);
}
```

### Output

```
10
0.2
false
0
SYBCA - Dart
```

## Program #2 - Arithmetic Operations

### Code

```
void main() {
    int var1 = 20;
    int var2 = 10;
    print(var1 + var2);
    print(var1 - var2);
    print(var1 * var2);
    print(var1 / var2);
    print(var1 % var2);
}
```

### Output

```
30
10
200
2
0
```

## Program #3 - Map

### First Method

```
void main() {
    var data = {'class':'SYBCA', 'stream':'CS', 'college':'SK
Somaiya College'};
    print(data);
    print(data['college']);
    print(data['class']);
    data['location'] = 'Vidyavihar';
}
```

```
    print(data);  
    print(data['location']);  
}
```

Output

### Second Method

```
void main() {  
    var data = new Map();  
    data['college'] = 'SK Somaiya College';  
    data['class'] = 'SYBCA';  
    data['stream'] = 'CS';  
    print(data);  
    print(data['class']);  
}
```

Output