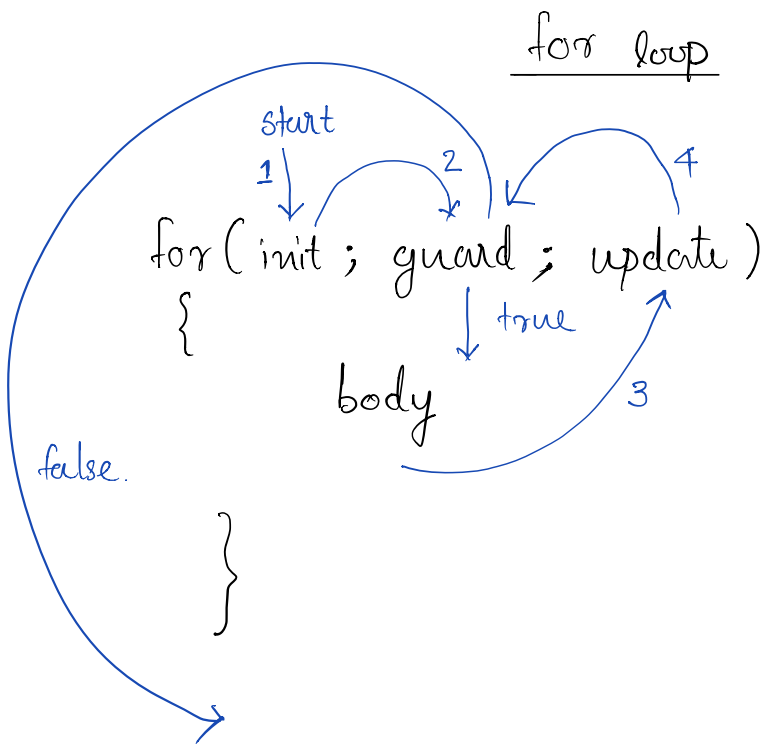


Goals

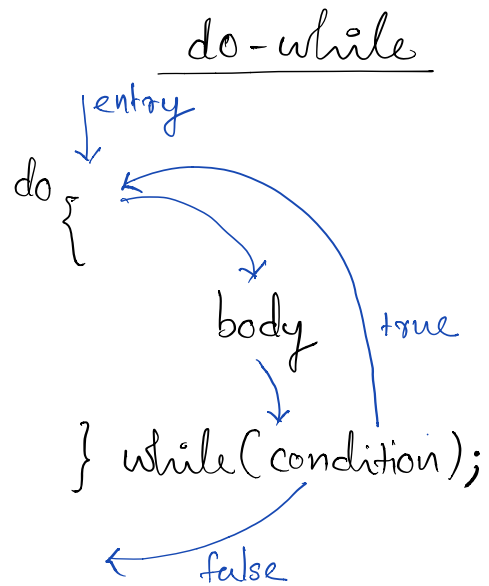
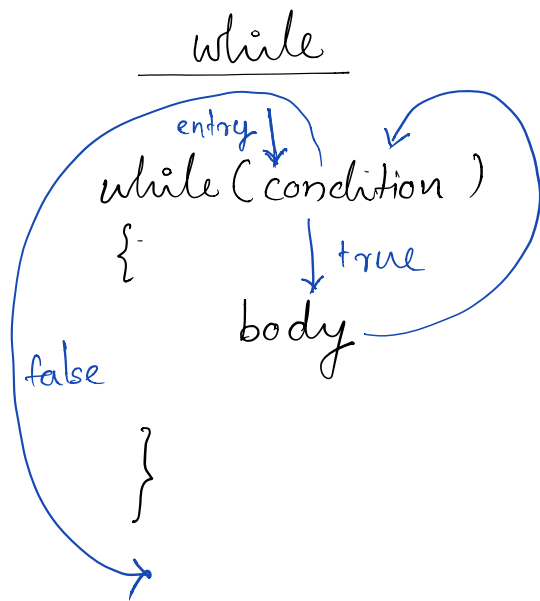
1. Loops : revision
2. Discuss exercises : 4.1 and 4.2.
3. Implement exercise 4.5 , 4.9 and 4.4

1. Loops



Special cases

- ```
int i;
```
1. `for ( ; i < 3 ; i++ )`
  2. `for ( i=0, j=1 ;  
 i+j < 10 ; i++ )`
  3. `for ( i=0 ; i < 10 &&  
 i % 3 != 0 ; i++ )`  
(multiple guard)



while to do-while

method : 1

```

flag = 1;
while (flag // condition) {
 flag = 0;
 body;
}

```

method : 2

```

while (1) {
 body;
 if (!condition)
 break;
}

```

[if time permits] do-while to while

```
do {
 if (!condition)
 break;
 else
 remove side-effects.
} while (1)
```

---

⇒ Discuss exercise 4.1

⇒ Show loop-sum.