Practical 2 uploads

Java Program

```java
30   class number_test {
31
32     static number plus(number l, number r) {
33       number result = new number();
34
35       if(l.tag != r.tag){
36         System.out.println("Type Error....!");
37       }else{
38         result.tag = l.tag;
39         if(l.tag==number.integral){
40           int res = l.value_i+r.value_i;
41           result.value_i = res;
42         }else if (r.tag == number.floating){
43           double res = l.value_d+r.value_d;
44           result.value_d = res;
45         }
46       }
47       return result;
48     }
```

```
PS C:\Users\Ben>  & 'C:\Users\Ben\.vsc
odesws_bf68c\jdt_ws\jdt.ls-java-projec
a = 5
b = 6
a + b = 11
a = 5.7
a + b = Type Error....!
  <<< invalid number in "print" >>>
b = 3.2
a + b = 8.9
```

C-Program

```c
24   struct number plus (struct number l, struct number r) {
25     struct number result; result.tag = invalid;
26
27     if(l.tag!=r.tag){
28       printf("Type error....!\n");
29     }else{
30       result.tag = l.tag;
31       if(l.tag==integral){
32         int result_num = l.value.i + r.value.i;
33         result.value.i = result_num;
34       }else{
35         double result_num = l.value.d + r.value.d;
36         result.value.d = result_num;
37       }
38     }
39     /* more code here */
40
41     return result;
42   }
```

```
bkorcz@DESKTOP-LPLLE1K:/mnt/c/Users/BenKo/OneDrive - Flinders/Year 3/Theory and Practice of Computation/prac$ ./a.out
a = 5
b = 6
a + b = 11
a = 5.7
a + b = Type error....!
  <<< invalid number in "print" >>>
b = 3.2
a + b = 8.9
```

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