

IDE interface showing a Java project named 'homework3' with multiple homework files. The main editor displays the code for 'Homework9.java'.

```
final int MAX = 10, MIN = 2;
int range = MAX - MIN + 1;
//int ran = (int) (Math.random() * range + MIN); // 초기화 안 됨
int sum |;

// 안나온 숫자들만 계속 더해보고싶은데...
//무한루프를 어떻게 끝내지
int i = 1;
while(true){
    int ran = (int) (Math.random() * range + MIN);

    while(i<=100){
        if(i % ran == 0){
            System.out.println(ran + "의 배수 = " + i );
            sum += i;
        }
        i++;
    }

    i = 1; // i 초기화하니 무한루프?함
    System.out.println("지금 까지 출력된 숫자들의 합" + sum);
}
```

The code aims to calculate the sum of numbers that are multiples of a randomly generated number (ran) within a range (1 to 100). However, there are two issues highlighted in the 'Problems' panel:

- Variable 'sum' might not have been initialized :26
- 'while' statement cannot complete without throwing an exception :19