

## SET-A

```
int num = sc.nextInt(); // No of times BPM taken
// 6
int tempMax = Integer.MIN_VALUE;
int tempMin = Integer.MAX_VALUE;
int beats = 0;
int sum = 0;
for (int i = 1; i <= num; i++) {
    beats = sc.nextInt(); // 180 // -10
    sum += beats;
    if (beats > tempMax) {
        tempMax = beats;
    } else if (beats < tempMin) {
        tempMin = beats;
    }
    tempMax = tempMax;
    if (beats < tempMin) {
        tempMin = beats;
    } else if (beats > tempMax) {
        tempMax = beats;
    }
}
float avg = (float) sum / (float) num;
printf("Heart rate range: %d - %d", tempMin, tempMax);
printf("Average heart rate: %f", avg);
```