



SOLUTION #1

While - Two nextInt

```
//asking for number of courses input
System.out.printf("Enter number of courses: ");
int numberofcourses = in.nextInt();
//checking if the entered value is valid
/*number of courses needs to be grater than 0 and if the numberis not valid
the user can re-enter the value*/
while(numberofcourses <= 0){
    System.out.println("Invalid input - must be greater than 0");
    System.out.printf("Try again. Enter number of courses: ");
    numberofcourses = in.nextInt();
}
```

SOLUTION #2

While – one nextInt

```
int numCourses = 0;
//will prompt value for as long as entered valye is less than 0
while(numCourses<=0) {

    System.out.print("Enter number of courses: ");
    numCourses = scan.nextInt();
    //if condition not met, will also print error message and run loop again
    if (numCourses<=0) {
        System.out.println("Invalid number of courses - must be greater than 0");
    }

}
```

SOLUTION #3

do-while

```
do {
    System.out.print("Enter number of courses: ");
    courses = in.nextInt(); in.nextLine();
    if (courses <= 0) {
        System.out.println("Invalid number of courses - must be greater than 0");
        valid = false;
    }
    else {
        valid = true;
    }
} while (!valid);
```