Question 1 Source Code:

```c
1    #include<stdio.h>
2    #include<stdlib.h>
3
4    int main(){
5        int num = 5;
6        int* myPtr;
7        myPtr = &num;
8        printf("num is stored at: %p\n",  &num);
9        printf("myPtr is stored at: %p\n", &myPtr);
10
11       printf("num holds the value: %d\n", num);
12       printf("myPtr holds the value: %p\n", &*myPtr);
13           printf("myPtr points to this value: %d\n", *myPtr);
14       return 0;
15   }
```

Question 1 Sample Output:

```
zhong@JJ-Laptop /cygdrive/c/se185/jaden_burke_quiz07
$ ./q1
num is stored at: 0xffffcc2c
myPtr is stored at: 0xffffcc20
num holds the value: 5
myPtr holds the value: 0xffffcc2c
myPtr points to this value: 5
```

Question 2 Source Code:

```c
1    #include<stdio.h>
2
3
4    int main() {
5        int a = 15;
6        int* copy_a;
7        copy_a = &a;
8        a /= 3;
9        *copy_a += 1;
10       if(*copy_a == a) {
11           printf("Copy_a = %d\n" , *copy_a);
12           printf("a = %d\n" , a);
13           printf("Therefore, copy_a = a = %d\n" , *copy_a);
14       }
15       return 0;
16   }
```

Question 2 Sample Output:

```
zhong@JJ-Laptop /cygdrive/c/se185/jaden_burke_quiz07
$ ./q2
Copy_a = 6
a = 6
Therefore, copy_a = a = 6
```

Question 3 Sample Code:

```c
#include<stdio.h>
void examScores(int scores[], int numScores);
void examStat(int scores[],double result[], int numScores, int resultLength);

int main() {
    int numExams = 30;
    int resultLength = 5;
    int midterm1Score[30];
    double result[resultLength];


    examScores(midterm1Score,numExams);
    examStat(midterm1Score,result,numExams,resultLength);

    printf("Midterm 1 exam average: %.2lf\n",result[0]);
    printf("Maximum score: %.2lf\n",result[1]);
    printf("Minimum score: %.2lf\n",result[2]);
    printf("Number of student fails: %.2lf\n",result[3]);
    printf("Number of student A's: %.2lf\n",result[4]);
    return 0;
}

void examStat(int scores[],double result[], int numScores, int resultLength){
    double avgHolder;
    double maxHolder = scores[0];
    double minHolder = scores[0];
    double failHolder;
    double AHolder;
    for(int i = 0; i < numScores; i++){
        avgHolder += scores[i];
        if(scores[i] > maxHolder){
            maxHolder = scores[i];
        }
        if(scores[i] < minHolder){
            minHolder = scores[i];
        }

        if(scores[i] < 60){
            failHolder++;
        }
        if(scores[i] >= 93){
            AHolder++;
        }

    }
    result[0] = avgHolder / numScores;
    result[1] = maxHolder;
    result[2] = minHolder;
    result[3] = failHolder;
    result[4] = AHolder;
}

void examScores(int scores[], int numScores){
    for(int i = 1; i < numScores + 1;i++){
        printf("Student %d midterm exam score: ", i);
        scanf("%d" , &scores[i-1]);
    }
}
```

Question 3 Sample Input Output:

```
zhong@JJ-Laptop /cygdrive/c/se185/jaden_burke_quiz07
$ ./q3
Student 1 midterm exam score: 90
Student 2 midterm exam score: 93
Student 3 midterm exam score: 95
Student 4 midterm exam score: 47
Student 5 midterm exam score: 56
Student 6 midterm exam score: 48
Student 7 midterm exam score: 43
Student 8 midterm exam score: 51
Student 9 midterm exam score: 49
Student 10 midterm exam score: 82
Student 11 midterm exam score: 67
Student 12 midterm exam score: 51
Student 13 midterm exam score: 84
Student 14 midterm exam score: 35
Student 15 midterm exam score: 2
Student 16 midterm exam score: 97
Student 17 midterm exam score: 81
Student 18 midterm exam score: 52
Student 19 midterm exam score: 64
Student 20 midterm exam score: 38
Student 21 midterm exam score: 15
Student 22 midterm exam score: 46
Student 23 midterm exam score: 81
Student 24 midterm exam score: 67
Student 25 midterm exam score: 38
Student 26 midterm exam score: 15
Student 27 midterm exam score: 26
Student 28 midterm exam score: 46
Student 29 midterm exam score: 87
Student 30 midterm exam score: 97
Midterm 1 exam average: 58.10
Maximum score: 97.00
Minimum score: 2.00
Number of student fails: 17.00
Number of student A's: 4.00
```