Midterm Computer Programming

```
#include <stdio.h>
int Funtwo(int); //Global
int i ;  //Global
int main(){
	int FunOne(int); //Local
	int num = 11 , minus = 100, plus = 0;  //Local
	minus -= FunOne(num);
	plus += Funtwo(num);
	printf("%d",minus);
	return 0;
}
int FunOne(int x){
	int  count = 0;
	for(i = 1 ; i <= x ; i++){
		count++;
	}
	x = x + count;
	return x;
}
int Funtwo(int y){
	int count = 0;
	for(i = 0 ; i <= y ; i++){
		count++;
	}
	y = y – count;
	return y;
}
```

```
#include <stdio.h>
int find(char[] , char);
void main(){
	char ch[9] = “SURANAREE”;
	int n = find(ch,ch[8]);
	printf(“%d\n”,n);
	printf(“%s”,ch);
}
int find(char c[] , char x){
	int count = 0 , i;
	x = ‘Y’;
	for(i = 0 ; i <= strlen(c) ; i++){
		if(c[i] == ‘A’ || c[i] == ‘E’ || c[i] == ‘O’ ||
		   c[i] == ‘U’ || c[i] == ‘I’ ){
			count++;
		}
	}
	return count;
}
```

```
#include <stdio.h>
void main(){
	int i , j , sum = 0 ,x = 1 , count = 0;
	int num[4][2] = {{ 2 , 3 },{ 5 , 8 },{ 10 ,11 },{ 3 , 0 }};
	for( i = 0 ; i < 4 ; i++){
		for(j = 0 ; j < strlen(num[i]) ; j++){
			if(num[i][j] % 2 != 1){
				sum += num[i][j];
				count++;
			}
		x++;
		}
	}
	printf("sum = %d\n",sum);
	printf("count = %d\n",count++);
	printf("x = %d\n",x+count);
}
```

```
#include <stdio.h>
void main(){
	float num = 3;
	int i , n[7];
	for(i = 7 ; i >= 0 ; i--){
		if(i%2 == 1){
			n[i] = i*10/num;
		}else{
			n[i] = i*10/2;
		}
	printf(“n[%d] = %d\n”, i , n[i]);
	}
}
```