Problem 1					johnny vastola	ì	
Binary	Unsigned	Signed	1's Complement	2'sComplement	Biased		
1001 0110	150	-22	105	-106	23		
0110 1001	105	105	105	105	-22		
0011 1010	58	58	58	58	-69		
1111 0000	240	-112	15	-16	113		
Fill T/F in the	following table	:					
Property			unsigned	Signed	1's Comp	2's Comp	Biased
	t positive numb	ers	t	t	t	t	t
Can represent	t negative num	bers	f	t	t	t	t
Has more than one representation for 0			f	f	t	f	f
Use the same addition process as unsigned			t	t	f	f	t
-32768			egative 16-bit 2's o ositive 16-bit signe		ger?		
<pre>char** copyStrArray(int argc, char **argv) {   int i;   char **str;   // allocating the number of strings as memory   str = malloc(argc - 1);   // looping from 0 to argc - 1   for(i = 0; i &lt; argc - 1; i++)   {</pre>							

<pre>// allocating memory as length of each string // +1 as null character str[i] = malloc(strlen(argv[i + 1]) + 1); // copying the string strcpy(str[i], argv[i+1]); } return str; }</pre>							
Problem 3							
a.							
char* upcase(char* str) {     char* p;     char* result;     result = (char*)  malloc(_strlen(str)+1);     strcpy(result_,str);     for( p=result; *p!='\0'; p++ ) {  /* Fill-in 'A' = 65, 'a' = 97, 'Z' = 90 , 'z' = 122 */     if(*p>='a' && *p<='z') *p=*p-32;}     return result;							
b.							
<pre>void upcase_by_ref( char** n ) {     *n=upcase(*n) }  void upcase_name(char* names[], int i) {     upcase_by_ref( &amp;(names[i])); }</pre>							
Problem 4							
a.							

void setName(Student *s, const char *name) { strcpy(s->name, name); } unsigned long getStudentID(const Student *s) { return s->sid; } void setStudentID(Student *s, unsigned long sid) { s->sid = sid; } b. Student* makeDefault(void) { Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s } You can't return a pointer to a locally declared variable (Student s).					
<pre> } unsigned long getStudentID(const Student *s) { return s-&gt;sid; } void setStudentID(Student *s, unsigned long sid) { s-&gt;sid = sid; }  b. Student* makeDefault(void) { Student s; setName(&amp;s, "John"); setStudentID(&amp;s, 12345678); return &amp;s } </pre>	void setName(Student *s, const c	har *name) {			
return s->sid; } void setStudentlD(Student *s, unsigned long sid) { s->sid = sid; }  b. Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s }	strcpy(s->name, name);				
return s->sid; } void setStudentlD(Student *s, unsigned long sid) { s->sid = sid; }  b. Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s }	}				
<pre> } void setStudentID(Student *s, unsigned long sid) { s-&gt;sid = sid; }  b. Student* makeDefault(void) { Student s; setName(&amp;s, "John"); setStudentID(&amp;s, 12345678); return &amp;s } </pre>	unsigned long getStudentID(cons	t Student *s) {			
b.  Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s }	return s->sid;				
b.  Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s }	}				
b.  Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentlD(&s, 12345678); return &s }	void setStudentID(Student *s, uns	signed long sid) {			
Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s }	s->sid = sid;				
Student* makeDefault(void) { Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s }	}				
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Student s; setName(&s, "John"); setStudentID(&s, 12345678); return &s }	D.				
You can't return a pointer to a locally declared variable (Student s).	Student s; setName(&s, "John"); setStudentID(&s, 12345678);				
	You can't return a pointer to a loc	ally declared variable (S	tudent s).		