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Pointers:
Section 1:
1. Draw Memeory diagrams for the Below.
2. If there is a Wrong Statement
        1. Draw the memory diagram
        2. explain what is wrong with statement
        3. provide the correct Statement.
1.
int a;
a = 40;
2.
int a;
int *a_ptr;
a = 0;
a_ptr = NULL;
a = 40;
*a_ptr = 80;
a_ptr = &a;
*a_ptr = 90;
3.
int a;
int *iptr;
int **ipptr;
a = 0;
iptr = NULL;
iiptr = NULL;
a = 40;
iptr = &a;
ipptr = &iptr;
a = *iptr + **ipptr;
```

5.

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Untitled
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float a;
int *ptr;
a = 10;
ptr = &a;
*ptr value ??
*ptr = 10;
a value ??
6.
what is NULL? (it is a Macro check the value)
7.
int a;
int **ptr = NULL;
*ptr = &a;
**ptr = 20;
8.
int a;
int **ptr = NULL;
ptr = &a;
**ptr = 30;
9.
int a[10];
int *ptr = NULL;
ptr = a;
*ptr = 20;
ptr++;
*ptr = 25;
```

Untitled

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10.
int *ptr1;
int *ptr2;
ptr1 = malloc(10*sizeof(int));
ptr2 = malloc(10*sizeof(int));
*ptr1 = 30;
*ptr2 = 50;
free(ptr2)
*ptr2 = 80;
ptr1++;
*ptr1 = 90;
```