Quiz

Now that you've learned about pointers. Let's put the concepts to test!

1 Which of the following is the correct way to declare a pointer?

2 In the code below what is stored in x?

```
int n = 50, x;

int *ptr ;

ptr = &n;

x = *ptr
```

3 What will the code below print?

```c
int main(void) {
    int *vec;
    vec = (int*)malloc(sizeof(int) * 3);
    vec[0] = 4;
    vec[1] = 7;
    vec[2] = 11;
    printf(*(vec+2));
    free(vec);
    return 0;
}
```

4 What will be printed in the code below?

```c
struct Point
{
    int x, y,z;
};

int main()
{
    struct Point p1 = {1, 2, 3};

    struct Point *p2 = &p1;

    printf("%d %d", p2->y,p2->x);
    return 0;
}
```

5 What argument will we pass in `myfun(?)` function in `int main()` and what will be printed?

```c
void myFun(int *x) {
   *x = *x * 4;
}

int main(void) {
   int y = 20;
   myFun(?);
   printf("y=%d\n", y);
   return 0;
}
```

Retake Quiz