

- 1) Fill in the main program below with Robert Harris, hired on 10/10/2010 and is being paid \$85,000 per year

```
#include <stdio.h>
#include <string.h>

struct Date{
    int yy, mm, dd;
};

struct Emp{
    char EmpName[25];
    float Salary;
    struct Date hired;
};

struct Dep{
    struct Emp manager;
    struct Emp worker[25];
    float Profits;
};

void PrintData(struct Emp myData){
    // print all the data from the copy, copied into myData

    printf("%s was hired on %d/%d/%d\nwith %.2f salary per year.\n",
myData.EmpName, myData.hired.dd,
myData.hired.mm,myData.hired.yy,myData.Salary);
}

void main(void){
    struct Emp Robert;

    // fill in the myEmp structure with data

    // send the structure to PrintData()
    PrintData(Robert);
}
```

2) Fill in the below code.

```
#include <stdio.h>
#include <stdlib.h>

typedef struct {
    int x;
    int y;
} point;

int main() {
    point * mypoint;

    /* Dynamically allocate a new point struct which mypoint points to */

    /* Now initialize x and y to 10 and 5 respectively */

    /* Print the output below */

    /* And now free the memory */

    return 0;
}
```

Output:

mypoint coordinates: 10, 5