

- 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 GetData(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 month.\n",
myData.EmpName, myData.hired.dd, myData.hired.mm,myData.hired.yy,myData.Salary);
}
void main(void)
{
    struct Emp LocalVar;

    // fill in the myEmp structure with data

    // send the structure to PrintData()

    GetData(LocalVar);
}
```

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 here */
```

```
    /* 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