```
/*
Berkiel Molinard
CS36
24 October 2021
*/

#define _CRT_SECURE_NO_WARNINGS

#include <stdio.h>

#include <stdbool.h>

#include <stdlib.h>

int main()

{

	char name[10];

	char dept[10];

	float yinc;

	float raisep;

	float rammt = yinc * (raisep / 100);

	float npay = yinc + rammt;

	float totcinc = yinc;

	float totnammt = rammt;

	float totnpay = npay;

	printf("First name? ");

	scanf("%s", name);

	printf("In what department?");

	scanf("%s", dept);

	printf("Employee's current income?");

	scanf("%f", &yinc);

	if (yinc <= 70000)

	{

		raisep = 8.6;

	}

	else if (70000.01 < yinc && yinc <= 80000)

	{

		raisep = 7.4;

	}

	else if (80000.01 < yinc && yinc <= 90000)
```

```
{
        raisep = 5.8;
}
else if(yinc >= 90000.01)
{
        raisep = 4.9;
}
rammt = yinc * (raisep / 100);
npay = yinc + rammt;
totcinc += yinc;
totnammt += rammt;
totnpay += npay;
printf("The employee %s who is in %s earns an income of $%0.2f and gets  a raise of %f . Their nominal raise is of $%0.2f and their total new income is $%0.2f\n\n ", name, dept, yinc, raisep, rammt, npay);
printf("First name? ");
scanf("%s", name);
printf("In what department?");
scanf("%s", dept);
printf("Employee's current income?");
scanf("%f", &yinc);
if (yinc <= 70000)
{
        raisep = 8.6;
}
else if (70000.01 < yinc && yinc <= 80000)
{
        raisep = 7.4;
}
else if (80000.01 < yinc && yinc <= 90000)
{
        raisep = 5.8;
}
else if (yinc >= 90000.01)
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```
            raisep = 4.9;
        }
        rammt = yinc * (raisep / 100);
        npay = yinc + rammt;
        totcinc += yinc;
        totnammt += rammt;
        totnpay += npay;
        printf("The employee %s who is in %s earns an income of $%0.2f and gets  a raise of %f . Their nominal raise is of $%0.2f and their total new income is $%0.2f\n\n", name, dept, yinc, raisep, rammt, npay);
        printf("First name? ");
        scanf("%s", name);
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        scanf("%f", &yinc);
        if (yinc <= 70000)
        {
            raisep = 8.6;
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        {
            raisep = 5.8;
        }
        else if (yinc >= 90000.01)
        {
            raisep = 4.9;
        }

        rammt = yinc * (raisep / 100);
        npay = yinc + rammt;
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```
totcinc += yinc;
totnammt += rammt;
totnpay += npay;
printf("The employee %s who is in %s earns an income of $%0.2f and gets  a raise of %f . Their nominal raise is of $%0.2f and their total new income is $%0.2f\n\n ", name, dept, yinc, raisep, rammt, npay);
printf("First name? ");
scanf("%s", name);
printf("In what department?");
scanf("%s", dept);
printf("Employee's current income?");
scanf("%f", &yinc);
if (yinc <= 70000)
{
        raisep = 8.6;
}
else if (70000.01 < yinc && yinc <= 80000)
{
        raisep = 7.4;
}
else if (80000.01 < yinc && yinc <= 90000)
{
        raisep = 5.8;
}
else if (yinc >= 90000.01)
{
        raisep = 4.9;
}
rammt = yinc * (raisep / 100);
npay = yinc + rammt;
totcinc += yinc;
totnammt += rammt;
totnpay += npay;
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        printf("The employee %s who is in %s earns an income of $%0.2f and gets  a raise of %f . Their nominal raise is of $%0.2f and their total new income is $%0.2f\n\n ", name, dept, yinc, raisep, rammt, npay);

        printf("First name? ");

        scanf("%s", name);

        printf("In what department?");

        scanf("%s", dept);

        printf("Employee's current income?");

        scanf("%f", &yinc);


        if (yinc <= 70000)

        {

                raisep = 8.6;

        }

        else if (70000.01 < yinc && yinc <= 80000)

        {

                raisep = 7.4;

        }

        else if (80000.01 < yinc && yinc <= 90000)

        {

                raisep = 5.8;

        }

        else if (yinc >= 90000.01)

        {

                raisep = 4.9;

        }

        rammt = yinc * (raisep / 100);

        npay = yinc + rammt;

        totcinc += yinc;

        totnammt += rammt;

        totnpay += npay;

        printf("The employee %s who is in %s earns an income of $%0.2f and gets  a raise of %f . Their nominal raise is of $%0.2f and their total new income is $%0.2f \n\n", name, dept, yinc, raisep, rammt, npay);

        printf("The total current yearly income of all employees is $%f. The total raise amount for all employees is $%f. The total new pay for all employees is $%f.\n\n", totcinc, totnammt, totnpay);
```

```
        return 0;

}
```

First name? Mike

In what department?Accounting

Employee's current income?66111.54

The employee who is in Accounting earns an income of $66111.54 and gets a raise of 8.600000 . Their nominal raise is of $5685.59 and their total new income is $71797.13

First name? Shohei

In what department?Maketing

Employee's current income?89224.17

The employee Shohei who is in Maketing earns an income of $89224.17 and gets a raise of 5.800000 . Their nominal raise is of $5175.00 and their total new income is $94399.17

First name? Jared

In what department? Management

Employee's current income?75123.25

The employee who is in Management earns an income of $75123.25 and gets a raise of 7.400000 . Their nominal raise is of $5559.12 and their total new income is $80682.37

First name? Anthony

In what department?Sales

Employee's current income?69644.44

The employee Anthony who is in Sales earns an income of $69644.44 and gets a raise of 8.600000 . Their nominal raise is of $5989.42 and their total new income is $75633.86

First name? Justin

In what department?Management

Employee's current income?69222.77

The employee who is in Management earns an income of $69222.77 and gets a raise of 8.600000 . Their nominal raise is of $5953.16 and their total new income is $75175.93

The total current yearly income of all employees is $369326.187500. The total raise amount for all employees is $28362.294922. The total new pay for all employees is $397688.500000.

Process returned 0 (0x0)   execution time : 80.519 s

Press any key to continue.

```
/*
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*/


#define _CRT_SECURE_NO_WARNINGS
#include <stdio.h>
#include <stdbool.h>
#include <stdlib.h>
#include <time.h>


int main()
{
	int rno1, rno2, rno3, rno4;
	int g1, g2, g3, g4;
	time_t t;
	srand((unsigned)time(&t));
	rno1 = rand() % 10;
	rno2 = rand() % 10;
	rno3 = rand() % 10;
	rno4 = rand() % 10;
	float betammt;
	printf("What is your wager: $");
	scanf("%f", &betammt);
	printf("\n\n\Guess a number from 0 to 9: ");
	scanf("%i", &g1);
	printf("\n\n\Guess a number from 0 to 9: ");
	scanf("%i", &g2);
	printf("\n\n\Guess a number from 0 to 9: ");
	scanf("%i", &g3);

	printf("\n\n\Guess a number from 0 to 9: ");
	scanf("%i", &g4);
	int corrgu = 0;
```

```
if (g1 == rno1)
{
	corrgu += 1;
}
if (g2 == rno2)
{
	corrgu += 1;
}
if (g3 == rno3)
{
	corrgu += 1;
}
if (g4 == rno4)
{
	corrgu += 1;
}
if (corrgu == 4)
{
	betammt = betammt * 5;
	printf("\n\nAyyy lmao, Bet has been multiplied by 5 totaling to $%f", betammt);
}
else if (corrgu == 3)
{
	betammt = betammt * 2;
	printf("\n\nNice! Bet has been doubled totaling to $%f", betammt);
}
else if (corrgu == 2)
{
	printf("\n\nBe careful with your bets.... $%f", betammt);
}
else if (corrgu < 1)
{
	printf("\n\nSucks to lose. All money is lost.");
```

```
        }
        else
        {
                printf("\n\nSucks to lose. All money is lost.");
        }
        return 0;
}
```

```
What is your wager: $69420
Guess a number from 0 to 9: 1
Guess a number from 0 to 9: 6
Guess a number from 0 to 9: 5
Guess a number from 0 to 9: 7
Sucks to lose. All money is lost.
Process returned 0 (0x0)   execution time : 11.242 s
Press any key to continue.
```