1. #include <stdio.h>

#include <stdlib.h>

typedef struct {

int id;

char *name; float salary;

Employee;

int main() { Employee

"empptr; empPtr (Employee) malloc(sizeof(Employee));

empPtr->id 192110535empPtr->name="VAMSI";

empPtr->salary 5000000;

printf("Employee ID: %d\n", empPtr->id); printf("Employee Name: %s\n", empPtr->name);
printf("Employee Salary: %.2f\n", empPtr->salary);

free(empPtr);

return 0;

2. #include<stdio.h>

int main()

{

```
struct simp
{
        int i = 6;
        char city[] = "chennai";
};
struct simp s1;
printf("%d",s1.city);
printf("%d", s1.i);
return 0;
```

}

3. #include<stdio.h>

```
int main()
{
        struct zoho
        {
                int employees;
                char comp[5];

                struct founder
                {
                        char ceo[10];
                }p;
        };
        struct zoho zs = {4000, "zoho", "sridhar"};
        printf("%d %s %s", zs.comp, zs.employees, zs.p.ceo);
        return 0;
}
```

4. #include<stdio.h>

```
int main(){
        int a = 130;
        char *ptr;
        ptr = (char *)&a;
        printf("%d ",*ptr);
        return 0;
```

5. #include<stdio.h>

```
#include<string.h>
int main(){
        char *ptr = "hello";
        char a[22];
        strcpy(a, "world");
        printf("\n%s %s",ptr, a);
        return 0;
}
```

6.
```
#include<stdio.h>
struct employee
{
    int eno;
    char ename[20];
    int salary;
}emp[10];
int main()
{
    int i,high,n;
    printf("/*How many employee info\nyou want to accept : ");
    printf("Enter Limit: ");
    scanf("%d",&n);
    printf("----------\n");
    printf("Enter details for %d employees:",n);
    printf("\n----------\n");
    for(i=0;i<n;i++)
    {
        printf("Employee Number: ");
        scanf("%d",&emp[i].eno);
        printf("Name          : ");
```

```
        scanf("%s",emp[i].ename);
        printf("Salary        : ");
        scanf("\n %d",&emp[i].salary);
        printf("-----------------------------\n");
    }
    high=emp[0].salary;
    for(i=0;i<n;i++)
    {
        if(emp[i].salary>high)
        high=emp[i].salary;
    }
    printf("Highest salary employee details:");
    printf("\n-----------------------------\n");
    printf("EMPNO    NAME  SALARY\n");
    for(i=0;i<n;i++)
    {
        if(emp[i].salary==high)
        printf("\n %d\t%s\t%d",emp[i].eno,emp[i].ename,emp[i].salary);
    }
    return 0;
}
```

7.
```
#include<stdio.h>
#include<string.h>
int main(){
            char *ptr = "hello";
            char a[22];
            strcpy(a, "world");
            printf("\n%s %s",ptr, a);
            return 0;
}
```

8. #include<stdio.h>

```
int main()
{
        struct simp
        {
                int i ,6;
                char ("city of chennai:")
        };
        struct simp s1;
        printf("%d",s1 city);
        printf("%d", s1 i);
        return 0;
}
```

9. #include <stdio.h>

```
int hcf(int n1, int n2)
{
        if (n2 > n1)
        return hcf(n2,n1);

        int r = n1%n2;
        if(r == 0)
        return n2;
        return hcf(n2, r);
}

int main()
{
```

```
   int n1,n2;
          n1 = 40, n2 = 10;
          printf("  Using Euclidean Approach : \n");
          printf("  HCF of %d and %d = %d\n", n1, n2, hcf(n1, n2));

          n1 = 36, n2 = 60;
          printf("  HCF of %d and %d = %d\n", n1, n2, hcf(n1, n2));

          n1 = 24, n2 = 12;
          printf("  HCF of %d and %d = %d\n", n1, n2, hcf(n1, n2));
   return 0;
}
```

```
10. #include <stdio.h>
 #include <ctype.h>
int main() {
char lowercase letter, uppercase letter;
 printf("Enter a lowercase letter: scanf("%c", &lowercase letter);
uppercase letter toupper (lowercase_letter);
printf("The uppercase letter is: %c\n", uppercase letter);
return 0;
}
```