Copying One Structure Variable To Another

```
'ß'
                                                     56.9
struct Student
  int roll;
  char grade;
 float per;
                                              'ß'
                                                     56.9
int main()
  struct Student S,P;
  printf("Enter roll,grade and per:");
 scanf("%d %c %f",&S.roll,&S.grade,&S.per);
  P.roll=S.roll;
  P.grade=S.grade; OR
  P.per=S.per;
 printf("Roll=%d,Grade=%c,Per=%f",P.roll,P.grade,P.per);
 return 0;
}
```

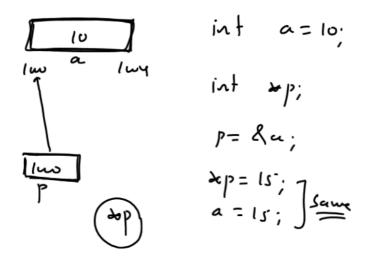
```
struct Student
{
  int roll;
  char grade;
  float per;
};
int main()
{
  struct Student S,P;
  printf("Enter roll,grade and per:");
  scanf("%d %c %f",&S.roll,&S.grade,&S.per);
  P.roll=S.roll;
  P.grade=S.grade;
  P.per=S.per;
  printf("Roll=%d,Grade=%c,Per=%f",P.roll,P.grade,P.per);
  return 0;
}
```

CREATING ARRAY OF STRUCTURE

```
struct Student
 int roll;
                                        S[0] 9009 S[1] 9018 S[2]
                                                                          9027
 char grade;
 float per;
int main()
 struct Student S[3];
 int i;
 for(i=0;i<3;i++)
   printf("Enter roll, grade and per:");
   scanf("%d %c %f",&S[i].roll,&S[i].grade,&S[i].per);
 for(i=0;i<3;i++)
    printf("\n%d %c %f",S[i].roll,S[i].grade,S[i].per);
return 0;
}
```

STRUCTURE AND POINTER

```
struct Student {
    int roll;
    char grade;
    float per;
};
int main()
{
    struct Student S,*P;
    P=&S;
    P->roll=10;
    P->grade='A';
    P->per=71.5;
    printf("Roll=%d,Grade=%c,Per=%f",P->roll,P->grade,P->per);
    return 0;
}
```



ACCEPTING INPUT FROM USER IN STRUCTURE USING POINTER

```
struct Student
{
  int roll;
  char grade;
  float per;
};
int main()
{
  struct Student S,*P;
  P=&S;
  printf("Enter roll,grade and per:");
  scanf("%d %c %f",&P->roll,&P->grade,&P->per);
  printf("\nRoll=%d,Grade=%c,Per=%f",P->roll,P->grade,P->per);
  return 0;
}
```

ACCESSING ARRAY OF STRUCTURE USING POINTER

```
struct Student
{
  int roll;
                                        S[0] 9009 S[1] 9018 S[2]
                                                                         9027
  char grade;
  float per;
};
int main()
{
  struct Student S[3],*P;
  int i;
  P=S:
  for(i=0;i<3;i++)
   printf("Enter roll,grade and per:");
   scanf("%d %c %f",&(P+i)->roll,&(P+i)->grade,&(P+i)->per);
  for(i=0;i<3;i++)
    printf("\n%d %c %f",(P+i)->roll,(P+i)->grade,(P+i)->per);
return 0;
}
```

```
struct Student
{
  int roll;
  char grade;
  float per;
int main()
{
  struct Student S[3],*P;
  int i;
  P=S:
  for(i=0;i<3;i++)
   printf("Enter roll,grade and per:");
   scanf("%d %c %f",&(P+i)->roll,&(P+i)->grade,&(P+i)->per);
  for(i=0;i<3;i++)
    printf("\n\%d \%c \%f",(P+i)->roll,(P+i)->grade,(P+i)->per);
return 0;
}
```

STRUCTURE AND FUNCTION

```
3
                                            7
struct Student
                                                'B'
                                                       52.9
  int roll;
                                                              8009
  char grade;
  float per;
};
void display(struct Student);
                                               'ß '
                                                       52-9
int main()
                                                               2W4
  struct Student S;
  printf("Enter roll, grade and per:");
  scanf("%d %c %f",&S.roll,&S.grade,&S.per);
  display(S);
                                     Cull | Pen By Value
  return 0;
void display(struct Student P)
  printf("Roll=%d,Grade=%c,Per=%f",P.roll,P.grade,P.per);
```

```
struct Student
                                    void display(struct Student P)
{
  int roll;
                                     printf("Roll=%d,Grade=%c,Per=%f",P.roll,P.grade,P.per)
  char grade;
                                   }
  float per;
                                     call | Pan by
};
void display(struct Student);
void accept(struct Student *);
int main()
                                   7
{
                          107
                                  チガ
  struct Student S;
                        gw
  accept(&S),
  display(S); ←
                                             Call / Pan By Cul
  return 0;
void accept(struct Student *P)
 printf("Enter roll,grade and per:");
 scanf("%d %c %f",&P->roll,&P->grade,&P->per);
```