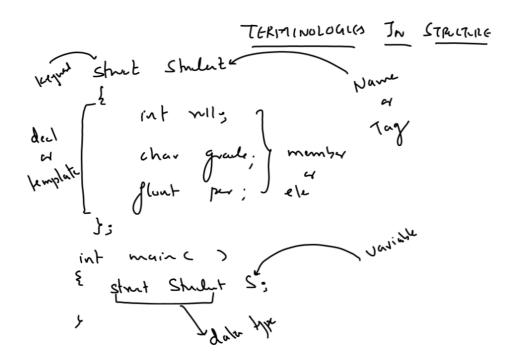
# STRUCTURE ( Use Dyind Date Type)

struct Struct
{
 int rull; char grade, flunt per; }; int main ( )
{
Strut Studet S; S. YOI = 10;

S. pa = 71.3.

formy ("/ll /c // ", <u>S.ml</u>, S. grale, S. Jr.).



typely street Street

int mil;

char grade;

flout per;

I Street;

### **ACCEPTING INPUT IN STRUCTURE FROM THE USER**

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

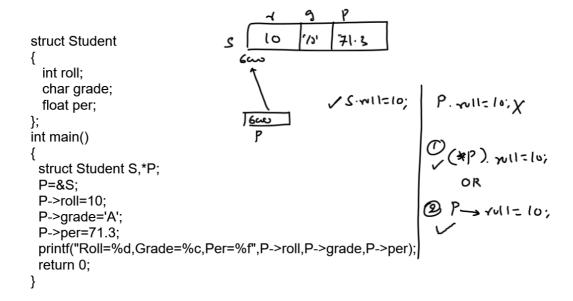
#### **COPYING ONE STRUCTURE VAR TO ANOTHER**

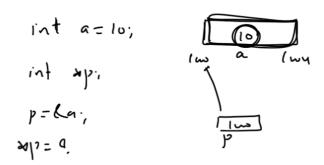
```
1104
                                                         'ß.`
                                               15
                                                                 59.3
struct Student
{
                                              الم
                                                                   اکمر
 int roll;
 char grade;
                                               15
                                                          'ይ`
                                                                  59.3
 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 = 5;
 P.per=S.per;
 printf("Roll=%d,Grade=%c,Per=%f",P.roll,P.grade,P.per);
 return 0;
}
```

#### **CREATING ARRAY OF STRUCTURES**

```
struct Student
{
 int roll;
 char grade;
                                        [0]2
 float per;
                                 600
                                                                      S[2]
                                                         1132
                                                               6018
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("\nRoll=%d,Grade=%c,Per=%f",S[i].roll,S[i].grade,S[i].per);
return 0;
}
```

#### **STRUCTURE AND POINTER**





#### **ACCEPTING INPUT IN STRUCTURE FROM THE USER 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("Roll=%d,Grade=%c,Per=%f",P->roll,P->grade,P->per);
  return 0;
}
```

#### **CREATING ARRAY OF STRUCTURES**

```
struct Student
 int roll;
                                            42.6
                                       :18
                                                       131 ,519
 char grade;
 float per;
                                       [0]2
                                                       S[1) 6018 S[2]
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("\nRoll=%d,Grade=%c,Per=%f",(P+i)->roll,(P+i)->grade,(P+i)->per);
return 0;
```

## STRUCTURE AND FUNCTIONS

#### \_\_\_\_\_

```
struct Student
{
                                                                  72.8
  int roll;
  char grade;
  float per;
void display(struct Student);
int main()
{
 struct Student S;
 printf("Enter roll,grade and per:");
                                                   15
                                                            'n
                                                                    79.8
 scanf("%d %c %f",&S.roll,&S.grade,&S.per)
 display(S);
 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;
void display(struct Student);
void accept(struct Student *);
int main()
{
 struct Student S;
 accept(&S);
 display(S);
 return 0;
void accept(struct Student *P)
  printf("Enter roll,grade and per:");
 scanf("%d %c %f",&P->roll,&P->grade,&P->per);
}
```