

Date : 30/1/2020

```
#include<stdio.h>
int main()
{
    int physics,chemistry,math,english,hindi;
    printf("Enter marks of Physics (0-100) : ");
    scanf("%d",&physics);
    if(physics<0 || physics>100)
    {
        printf("Invalid input\n");
        return 0;
    }
    printf("Enter marks of Chemistry (0-100) : ");
    scanf("%d",&chemistry);
    if(chemistry<0 || chemistry>100)
    {
        printf("Invalid input\n");
        return 0;
    }
    printf("Enter marks of Math (0-100) : ");
    scanf("%d",&math);
    if(math<0 || math>100)
    {
        printf("Invalid input\n");
        return 0;
    }
    printf("Enter marks of English (0-100) : ");
    scanf("%d",&english);
    if(english<0 || english>100)
    {
        printf("Invalid input\n");
        return 0;
    }
    printf("Enter marks of Hindi (0-100) : ");
    scanf("%d",&hindi);
    if(hindi<0 || hindi>100)
    {
        printf("Invalid input\n");
        return 0;
    }
    if(physics>=33 && chemistry>=33 && math>=33 && english>=33 && hindi>=33)
    {
        printf("Result : Pass\n");
    }
    if(physics<33 && chemistry>=33 && math>=33 && english>=33 && hindi>=33)
    {
```

```
printf("Result : Supp\n");
}
if(physics>=33 && chemistry<33 && math>=33 && english>=33 && hindi>=33)
{
printf("Result : Supp\n");
}
if(physics>=33 && chemistry>=33 && math<33 && english>=33 && hindi>=33)
{
printf("Result : Supp\n");
}
if(physics>=33 && chemistry>=33 && math>=33 && english<33 && hindi>=33)
{
printf("Result : Supp\n");
}
if(physics>=33 && chemistry>=33 && math>=33 && english>=33 && hindi<33)
{
printf("Result : Supp\n");
}
return 0;
}
```

Date : 1/2/2020

Phase I : Solution (Technique One)

```
#include<stdio.h>
int main()
{
int physics,chemistry,math,english,hindi;
printf("Enter marks of Physics (0-100) : ");
scanf("%d",&physics);
if(physics<0 || physics>100)
{
printf("Invalid input\n");
return 0;
}
printf("Enter marks of Chemistry (0-100) : ");
scanf("%d",&chemistry);
if(chemistry<0 || chemistry>100)
{
printf("Invalid input\n");
return 0;
}
printf("Enter marks of Math (0-100) : ");
scanf("%d",&math);
if(math<0 || math>100)
{
printf("Invalid input\n");
}
```

```
return 0;
}
printf("Enter marks of English (0-100) : ");
scanf("%d",&english);
if(english<0 || english>100)
{
printf("Invalid input\n");
return 0;
}
printf("Enter marks of Hindi (0-100) : ");
scanf("%d",&hindi);
if(hindi<0 || hindi>100)
{
printf("Invalid input\n");
return 0;
}
if(physics>=33 && chemistry>=33 && math>=33 && english>=33 && hindi>=33)
{
printf("Result : Pass\n");
}
else
{
if(physics<33 && chemistry>=33 && math>=33 && english>=33 && hindi>=33)
{
printf("Result : Supp\n");
}
else
{
if(physics>=33 && chemistry<33 && math>=33 && english>=33 && hindi>=33)
{
printf("Result : Supp\n");
}
}
else
{
if(physics>=33 && chemistry>=33 && math<33 && english>=33 && hindi>=33)
{
printf("Result : Supp\n");
}
}
else
{
if(physics>=33 && chemistry>=33 && math>=33 && english<33 && hindi>=33)
{
printf("Result : Supp\n");
}
}
else
{
if(physics>=33 && chemistry>=33 && math>=33 && english>=33 && hindi<33)
```

```
{
printf("Result : Supp\n");
}
else
{
printf("Result : Fail\n");
}
}
}
}
}
}
return 0;
}
```

Phase I : Solution (Technique Two)

```
#include<stdio.h>
int main()
{
int physics,chemistry,math,english,hindi,failCount;
printf("Enter marks of Physics (0-100) : ");
scanf("%d",&physics);
if(physics<0 || physics>100)
{
printf("Invalid input\n");
return 0;
}
printf("Enter marks of Chemistry (0-100) : ");
scanf("%d",&chemistry);
if(chemistry<0 || chemistry>100)
{
printf("Invalid input\n");
return 0;
}
printf("Enter marks of Math (0-100) : ");
scanf("%d",&math);
if(math<0 || math>100)
{
printf("Invalid input\n");
return 0;
}
printf("Enter marks of English (0-100) : ");
scanf("%d",&english);
if(english<0 || english>100)
{
printf("Invalid input\n");
return 0;
}
```

```
}
printf("Enter marks of Hindi (0-100) : ");
scanf("%d",&hindi);
if(hindi<0 || hindi>100)
{
printf("Invalid input\n");
return 0;
}
failCount=0;
if(physics<33)
{
failCount++;
}
if(chemistry<33)
{
failCount++;
}
if(math<33)
{
failCount++;
}
if(english<33)
{
failCount++;
}
if(hindi<33)
{
failCount++;
}
if(failCount==0)
{
printf("Result : Pass\n");
}
if(failCount==1)
{
printf("Result : Supp\n");
}
if(failCount>1)
{
printf("Result : Fail\n");
}
return 0;
}
```
