**Write a program to input marks of 5 subjects (Physics, Chemistry, Math, English& Biology) for a student. Display the rank of each subjects and also the result of total marks and percentage obtained with his/her rank in the class. The rank is categorized as fail (marks < 40%), pass & third division (marks between 40 to 55%), second (marks between 55 to 65%), first (marks between 65 to 80%), Distinction (marks between 80 to 95%), extra ordinary (marks above 95 to 100%).**

**#include<stdio.h>**

**#include<conio.h>**

**#include<stdlib.h>**

**int main()**

**{**

**float p,c,b,m,e,percent;**

**printf("Enter your marks in physics:\t");**

**scanf("%f",&p);**

**printf("\nEnter your marks in chemistry:\t");**

**scanf("%f",&c);**

**printf("\nEnter your marks in biology:\t");**

**scanf("%f",&b);**

**printf("\nEnter your marks in math:\t");**

**scanf("%f",&m);**

**printf("\nEnter your marks in english:\t");**

**scanf("%f",&e);**

**system("cls");**

**/\*Determining rank for physics\*/**

**if(p<40)**

**{**

**printf("\nYou failed in physics");**

**}**

**else if(p>=40&&p<55)**

**{**

**printf("\nyou've passed in physics and your rank is third division");**

**}**

**else if(p>=55&&p<65)**

**{**

**printf("\nyou've passed in physics and your rank is second division");**

**}**

**else if(p>=65&&p<80)**

**{**

**printf("\nyou've passed in physics and your rank is first division");**

**}**

**else if(p>=80&&p<95)**

**{**

**printf("\nyou've passed in physics and your rank is distinction");**

**}**

**else if(p>=95&&p<=100)**

**{**

**printf("\nyou've passed in physics and your rank is extraordinary");**

**}**

**/\*Determining rank for chemistry\*/**

**if(c<40)**

**{**

**printf("\nYou failed in chemistry");**

**}**

**else if(c>=40&&c<55)**

**{**

**printf("\nyou've passed in chemistry and your rank is third division");**

**}**

**else if(c>=55&&c<65)**

**{**

**printf("\nyou've passed in chemistry and your rank is second division");**

**}**

**else if(c>=65&&c<80)**

**{**

**printf("\nyou've passed in chemistry and your rank is first division");**

**}**

**else if(c>=80&&c<95)**

**{**

**printf("\nyou've passed in chemistry and your rank is distinction");**

**}**

**else if(c>=95&&c<=100)**

**{**

**printf("\nyou've passed in chemistry and your rank is extraordinary");**

**}**

**/\*Determining rank for math\*/**

**if(m<40)**

**{**

**printf("\nYou failed in math");**

**}**

**else if(m>=40&&m<55)**

**{**

**printf("\nyou've passed in math and your rank is third division");**

**}**

**else if(m>=55&&m<65)**

**{**

**printf("\nyou've passed in math and your rank is second division");**

**}**

**else if(m>=65&&m<80)**

**{**

**printf("\nyou've passed in math and your rank is first division");**

**}**

**else if(m>=80&&m<95)**

**{**

**printf("\nyou've passed in math and your rank is distinction");**

**}**

**else if(m>=95&&m<=100)**

**{**

**printf("\nyou've passed in math and your rank is extraordinary");**

**}**

**/\*Determining rank for biology\*/**

**if(b<40)**

**{**

**printf("\nYou failed in biology");**

**}**

**else if(b>=40&&b<55)**

**{**

**printf("\nyou've passed in biology and your rank is third division");**

**}**

**else if(b>=55&&b<65)**

**{**

**printf("\nyou've passed in biology and your rank is second division");**

**}**

**else if(b>=65&&b<80)**

**{**

**printf("\nyou've passed in biology and your rank is first division");**

**}**

**else if(b>=80&&b<95)**

**{**

**printf("\nyou've passed in biology and your rank is distinction");**

**}**

**else if(b>=95&&b<=100)**

**{**

**printf("\nyou've passed in biology and your rank is extraordinary");**

**}**

**/\*Determining rank for english\*/**

**if(e<40)**

**{**

**printf("\nYou failed in english");**

**}**

**else if(e>=40&&e<55)**

**{**

**printf("\nyou've passed in english and your rank is third division");**

**}**

**else if(e>=55&&e<65)**

**{**

**printf("\nyou've passed in english and your rank is second division");**

**}**

**else if(e>=65&&e<80)**

**{**

**printf("\nyou've passed in english and your rank is first division");**

**}**

**else if(e>=80&&e<95)**

**{**

**printf("\nyou've passed in english and your rank is distinction");**

**}**

**else if(e>=95&&e<=100)**

**{**

**printf("\nyou've passed in english and your rank is extraordinary");**

**}**

**printf("\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");**

**percent=(p+c+b+m+e)/5;**

**printf("\n Your percentage is %f",percent);**

**if(p<40||b<40||c<40||m<40||e<40) /\*Student will be failed if he/she fails atleast in one subject\*/**

**{**

**printf("\nYou failed in exam");**

**}**

**else**

**{**

**if(percent<40)**

**{**

**printf("\nYou failed in exam");**

**}**

**else if(percent>=40&&percent<55)**

**{**

**printf("\nyou've passed in exam and your rank is third division");**

**}**

**else if(percent>=55&&percent<65)**

**{**

**printf("\nyou've passed in exam and your rank is second division");**

**}**

**else if(percent>=65&&percent<80)**

**{**

**printf("\nyou've passed in exam and your rank is first division");**

**}**

**else if(percent>=80&&percent<95)**

**{**

**printf("\nyou've passed in exam and your rank is distinction");**

**}**

**else if(percent>=95&&percent<=100)**

**{**

**printf("\nyou've passed in exam and your rank is extraordinary");**

**}**

**}**

**return 0;**

**}**