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***Week 1***

***Question 1:***

***Code:***

#include<stdio.h>

struct stuinfo

{

int marks,age,roll\_no;

char name[50];

};

int main()

{

struct stuinfo s;

printf("Enter the name :");

fflush(stdin);

gets(s.name);

printf("Enter the roll\_no :");

scanf("%d\n",&s.roll\_no);

printf("Enter the marks :");

scanf("%d\n",&s.marks);

printf("Enter the age :");

scanf("%d\n",&s.age);

fflush(stdin);

puts(s.name);

printf("roll No. :%d\n",s.roll\_no);

printf("Age :%d\n",s.age);

printf("Marks :%d\n",s.marks);

return 0;

}

***Question 2:***

***Code:***

#include<stdio.h>

struct stuinfo

{

int marks,age,roll\_no;

char name[50];

};

int main()

{

int n,i;

printf("Enter the number :");

scanf("%d",&n);

struct stuinfo s[n];

for(i=0;i<n;i++)

{

printf("Enter the name :");

fflush(stdin);

gets(s[i].name);

printf("Enter the roll\_no :");

scanf("%d\n",&s[i].roll\_no);

printf("Enter the marks :");

scanf("%d\n",&s[i].marks);

printf("Enter the age :");

scanf("%d\n",&s[i].age);

fflush(stdin);

}

for(i=0;i<n;i++)

{

puts(s[i].name);

printf("roll No. :%d\n",s[i].roll\_no);

printf("Age :%d\n",s[i].age);

printf("Marks :%d\n",s[i].marks);

}

return 0;

}

***Question 3:***

***Code:***

#include<stdio.h>

struct Distance {

int feet;

float inch;

} d1, d2, sumOfDistances;

int main() {

printf("Enter information for 1st distance\n");

printf("Enter feet: ");

scanf("%d", &d1.feet);

printf("Enter inch: ");

scanf("%f", &d1.inch);

printf("\nEnter information for 2nd distance\n");

printf("Enter feet: ");

scanf("%d", &d2.feet);

printf("Enter inch: ");

scanf("%f", &d2.inch);

sumOfDistances.feet=d1.feet+d2.feet;

sumOfDistances.inch=d1.inch+d2.inch;

if (sumOfDistances.inch>12.0) {

sumOfDistances.inch = sumOfDistances.inch-12.0;

++sumOfDistances.feet;

}

printf("\nSum of distances = %d\'-%.1f\"", sumOfDistances.feet, sumOfDistances.inch);

return 0;

}

***Question 4:***

***Code:***

#include<stdio.h>

struct stuinfo

{

int marks,age,roll\_no;

char name[50];

};

int main()

{

int n,i;

struct stuinfo s[15];

for(i=0;i<15;i++)

{

printf("Enter the name :");

fflush(stdin);

gets(s[i].name);

printf("Enter the roll\_no :");

scanf("%d\n",&s[i].roll\_no);

printf("Enter the marks :");

scanf("%d\n",&s[i].marks);

printf("Enter the age :");

scanf("%d\n",&s[i].age);

fflush(stdin);

}

for(i=0;i<15;i++)

{

puts(s[i].name);

printf("roll No. :%d\n",s[i].roll\_no);

printf("Age :%d\n",s[i].age);

printf("Marks :%d\n",s[i].marks);

}

return 0;

}

***Question 5:***

***Code:***

#include<stdio.h>

struct Details

{

int roll\_no,chem\_marks,maths\_marks,phy\_marks;

char name[50];

};

int main()

{

int i;

struct Details st[5];

float a[5];

for(i=0;i<5;i++)

{

printf("Enter the roll Number :");

scanf("%d",&st[i].roll\_no);

gets(st[i].name);

printf("Enter the marks of chemistry :");

scanf("%d",&st[i].chem\_marks);

printf("Enter the marks of Maths :");

scanf("%d",&st[i].maths\_marks);

printf("Enter the marks of Physics :");

scanf("%d",&st[i].phy\_marks);

a[i] = (st[i].chem\_marks+st[i].phy\_marks+st[i].maths\_marks)/100;

}

for(i=0;i<5;i++)

{

printf("student %d gain %f percent\n",i+1,a[i]);

}

}

***Question 6:***

***Code:***

#include<stdio.h>

struct studentinfo

{

int roll\_no,marks;

char name[50];

};

int main()

{

int i,p=0,q=0,r=0,s=0;

struct studentinfo std[10];

for(i=0;i<10;i++)

{

printf("Enter the name :");

gets(std[i].name);

printf("Enter the roll no. :);

scanf("%d",&std[i].roll\_no);

printf("Enter The marks :");

scanf("%d",&std[i].marks);

}

for(i=0;i<10;i++)

{

if (s[i].marks >= 60)

{

p++;

}

else if (s[i].marks < 60 and s[i].marks >= 50)

{

q++;

}

else if (s[i].marks < 50 and s[i].marks >= 40)

{

r++;

}

else if (s[i].marks < 40 )

{

s++;

}

}

printf("number of students who got marks greater than 60 :%d",p);

printf("number of students who got marks greater than 50 but less than 60 :%d",q);

printf("number of students who got marks greater than 40 but less than 50 :%d",r);

printf("number of students who got marks less than 40 :%d",s);

}

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