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Assignment Questions Answer

1. **Write a C program to enter two numbers and perform all arithmetic operations.**

#include <stdio.h>

int main () {

int a,b;

printf("Please enter any two numbers: \n");

scanf("%d %d", &a, &b);

int s,c,m; float d;

s=a+b; c=a-b; m=a\*b; d=a/b;

printf("Sum of the two number is: %d\n",s);

printf("Difference of the two number is: %d\n ",c);

printf("Multiplication of the two number is: %d\n",m);

printf("Division of the two number is: %f\n ",d);

return 0;

}

1. **Write a C program to enter temperature in Celsius and convert it into Fahrenheit.**

#include <stdio.h>

void main () {

float cel,farr;

printf("Please enter your celsious value of temperature:\n");

scanf("%f", &cel);

r= cel\*1.8;

far= r + 32;

printf("The temperature in Fahrenheit scale will be:%f\n",far);

return 0;

}

1. **Write a C program to enter the radius of a circle and find its diameter, circumference and area.**

#include <stdio.h>

int main(){

float r,D,circum;

printf("Please enter your Radious of the circle :%f\n");

scanf("%f", &r);

D=2\*r; circum=6.28\*r;

printf("The diameter & circumference of the circle will be:%f %f\n",D,circum);

return 0;

}

**4. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following: Percentage >= 90% : Grade A Percentage >= 80% : Grade B Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E Percentage < 40% : Grade F**

#include <stdio.h>

void main () {

int physics,chemistry,biology,math,computer,total;

float per;

total=(physics+chemistry+biology+math+computer;

per= total/5;

printf("Please enter the mark secured in physics is : \n");

scanf("%d", &physics);

printf("Please enter the mark secured in chemistry is : \n");

scanf("%d", &chemistry);

printf("Please enter the mark secured in biology is : \n");

scanf("%d", &biology);

printf("Please enter the mark secured in math is : \n");

scanf("%d", &math);

printf("Please enter the mark secured in computer is : \n");

scanf("%d", &computer);

if(per>=90){

printf("**Grade A** ");

}

else if(per>=80 && per<=90){

printf("**Grade B** ");

}

else if(per>=70 && per<=80){

printf("**Grade C** ");

}

else if(per>=60 && per<=70){

printf("**Grade D** ");

}

else if(per>=40 && per<=60){

printf("**Grade E** ");

}

else if(per<40){

printf("**Grade F** ");

}

return 0;

}

**5. Write a C program to check whether an alphabet is vowel or consonant using switch case.**

#include <stdio.h>

void main () {

char alp;

printf("Enter a alphabet from your keyboard: \n\n");

scanf("%c", &alp);

switch (alp) {

case 'a':

printf("The entered alphabet is a vowel%c\n\n",alp);

break;

case 'e':

printf("The entered alphabet is a vowel%c \n\n",alp);

break;

case'i':

printf("The entered alphabet is a vowel%c \n\n",alp);

break;

case 'o':

printf("The entered alphabet is a vowel%c \n\n",alp);

break;

case 'u':

printf("The entered alphabet is a vowel%c \n\n",alp);

break;

default :

printf("The entered alphabet is a consonant%c \n\n",alp);

}

return 0;

}