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**18/SCI01/084**

**CSC 206**

**28)**

#include<stdio.h>

int main() {

int rad;

float PI = 3.14, area, perimeter;

printf("\nEnter radius of circle: ");

scanf("%d", &rad);

area = PI \* rad \* rad;

printf("\nArea of circle : %f ", area);

perimeter = 2 \* PI \* rad;

printf("\nperimeter : %f ", perimeter);

return (0);

}

**29)**

#include<stdio.h>

int main()

{ int a, b,c,d;

printf("Enter two negative integers\n ");

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

c=(-a);

d=(-b);

printf("\nYour positive positive are: %d %d ",c,d);

return 0;}

**30)**

#include<stdio.h>

int main()

{

int a, b, c, d, e, prd;

double avg;

printf("Enter the the prices of 5 products:\n");

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

avg = ((((double)(a))+((double)(b))+((double)(c))+((double)(d))+((double)(e)))/5);

prd = (a\*b\*c\*d\*e);

printf("\nYour average price is: %lf",avg);

printf("\nThe product of the prices is: %d",prd);

return 0;

}

**31)**

#include<stdio.h>

int main()

{

int a,b,c;

printf("enter a positive integer\n");

scanf("%d",&a);

b=a+1;

c=--a;

printf("Next value: %d",b);

printf("\nPrevious value: %d",c);

return 0;

}

**32)**

#include<stdio.h>

int main()

{

int a;

double tax;

printf("Enter your annual salary: ");

scanf("%d",&a);

tax = (((20000-5000)\*0.15) +(((double)(a)-20000)\*0.3));

printf("\nYour tax to be paid is: %lf", tax);

return 0;

}

**33)**

#include<stdio.h>

int main ()

{

int a;

printf("enter an integer value:");

scanf("%d",&a);

if (a%2==0)

printf("Even number");

else

printf("Odd number");

return 0;

}

**34)**

#include<stdio.h>

int main ()

{

int a,b;

printf("enter two integer value:");

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

if (a>b)

printf("%d %d",b, a);

else

printf("%d %d",a, b);

return 0;

}

**35)**

#include<stdio.h>

int main()

{

double height, weight, BMI;

printf("Enter your weight(kg) and height(m):");

scanf("%lf %lf",&weight, &height);

BMI = ((weight)/(height\*height));

if(BMI<20)

printf("Your BMI is %lf and you are lower than normal weight",BMI);

else if(20<=BMI && BMI<=25)

printf("Your BMI is %lf and you are normal weight",BMI);

else if(25<BMI && BMI<=30)

printf("Your BMI is %lf and you are overweight",BMI);

else if(30<BMI && BMI<=40)

printf("Your BMI is %lf and you are obese",BMI);

else if(40<BMI)

printf("Your BMI is %lf and you are extremely obese",BMI);

else

printf("You are not in any class");

return 0;

}

**36)**

#include<stdio.h>

int main()

{

int a, b, c, d, e;

printf("Enter the prices of products: \n");

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

if(a>b && a>c && a>d && a>e)

printf("The highest price is %d",a);

else if(b>a && b>c && b>d && b>e)

printf("The highest price is %d",b);

else if(c>b && c>a && c>d && c>e)

printf("The highest price is %d",c);

else if(d>b && d>c && d>a && d>e)

printf("The highest price is %d",d);

else if(e>b && e>c && e>d && e>a)

printf("The highest price is %d",e);

else

printf("They are equal prices");

}

**37)**

#include<stdio.h>

int main()

{

int a, b, c;

printf("Enter students grades: \n");

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

if(a>b && a>c && b>c )

printf("%d %d %d",c,b,a);

else if(b>a && b>c && c>a )

printf("%d %d %d",a,c,b);

else if(c>a && c>b && a>b )

printf("%d %d %d",b,a,c);

else

printf("EQUAL GRADES");

}

**38)**

#include<stdio.h>

int main()

{

int a;

printf("Enter any integer \n");

scanf("%d",&a);

if(a<0)

printf("Negative integer");

else if(a==0)

printf("ZERO");

else

printf("Positive integer");

}

**39)**

int main()

{

int x;

printf("Enter student score");

scanf("%d",&x);

if (x>=70 && x<100)

{

printf("A");

}else if(x>=60 && x<69)

{

printf("B");

}else if (x>=50 && x<59)

{

printf("C");

}else if(x>=40 && x<49)

{

printf("D");

}else if(x<39)

{

printf("F");

}else

printf("RE-WRITE THE EXAM");

return 0;