NAME: VICTOR JOHNSON

MATRIC NO: 18/SCI01/045

28)

#include <stdio.h>

int main(){

 int p,r,a;

 p=3.142;

 printf("what is the radius of the circle");

 scanf("%d",&r);

 a=p\*r^2;

 p=2\*p\*r;

 printf("the area of the circle is %d\n:",a);

 printf("the circumfernce of the circle is %d\n:",p);

 return 0;

}

29)

30)

#include <stdio.h>

int main(){

 int a,b,c,d,e,f,g;

 printf("enter the price of product #1?\n");

 scanf("%d",&a);

 printf("enter the price of product #2?\n");

 scanf("%d",&b);

 printf("enter the price of product #3?\n");

 scanf("%d",&c);

 printf("enter the price of product #4?\n");

 scanf("%d",&d);

 printf("enter the price of product #5?\n");

 scanf("%d",&e);

 f=a+b+c+d+e/5;

 g=a\*b\*c\*d\*e;

 printf("the total price is %d\n :",f);

 printf("the product of all the prices is %d :",g);

 return 0;

}

31)

#include <stdio.h>

int main(){

 int a,b,c;

 printf("Enter a postive integer ?\n");

 scanf("%d",&a);

 b=a+1;

 c=a-1;

 printf("your integer is %d\n: ",a);

 printf("the next integer is %d\n: ",b);

 printf("the previous integer is %d\n:",c);

 return 0;

}

32)

33)

#include <stdio.h>

int main() {

 int num;

 printf("Enter an integer: ");

 scanf("%d", &num);

 if(num % 2 == 0)

 printf("%d is even.", num);

 else

 printf("%d is odd.", num);

 return 0;

}

34)

#include <stdio.h>

int main(){

 int a,b;

printf("enter the first number\n?");

scanf("%d",&a);

printf("enter the second number\n?");

scanf("%d",&b);

if(a>b){

 printf("the order of numbers is %d%d\n:",a"and",b);

}

else{

printf("the order of the number is %d%d\n:",b"and",a);

}

return 0;

}

35)

#include <stdio.h>

int main(){

 int weight,height,bmi;

 printf("what is your weight?\n");

 scanf("%d",&weight);

 printf("what is your height ?\n");

 scanf("%d",&height);

 bmi=weight/height\*2;

 if(bmi<20)

 {

 printf("you are underweight");

 }

 else if (bmi>=20&&bmi<=25)

 {

 printf("you have a normal weight");

 }

else if (bmi>=25&&bmi<=30)

{

 printf("you are overweight");

}

else if (bmi>=30&&bmi<=40)

{

 printf("you are obese");

}

else if(bmi>40)

{

 printf("your extremely obese");

}

else{

printf("error input");

}

return 0;

}

36)

#include <stdio.h>

int main(){

 int a,b,c,d,e,f,g;

 printf("enter the price of product #1?\n");

 scanf("%d",&a);

 printf("enter the price of product #2?\n");

 scanf("%d",&b);

 printf("enter the price of product #3?\n");

 scanf("%d",&c);

 printf("enter the price of product #4?\n");

 scanf("%d",&d);

 printf("enter the price of product #5?\n");

 scanf("%d",&e);

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

 printf("the Price of the highest product is #1 %d",a);

 }

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

 printf("The highest price is the second product %d:",b);

 }

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

 printf("The highest price is the third product %d:",c) ;

 }

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

 printf("The highest price is the fouth product %d:",d);

 }

 else {

 printf("the highest price is the fifth product %d:",e);

 }

}

37)

#include <stdio.h>

int main(){

 int a,b,c;

 printf("the first student grade");

 scanf("%d",&a);

 printf("the second student grade");

 scanf("%d",&b);

 printf("the third student grade");

 scanf("%d",&c);

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

 printf("the ascending order of grade is:%d",a,b,c);

 }

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

 printf("the ascending order of grade is:%d",b,a,c);

 }

 else{

 printf("the ascending order of grade is:%d",c,b,a);

 }

 return 0;

}

38)

#include <stdio.h>

int main(){

 int a;

 printf("what is the the number ?");

 scanf("%d",&a);

 if (a>0){

 printf("this is a postive integer");

 }

 else if(a<0){

 printf("this a negative integer");

 }

 else if (a=0){

 printf("its Zero");

 }

 else {

 printf("error in input");

 }

 return 0

}

39)

#include <stdio.h>

int main(){

 int pen;

 printf("what is your score ?");

 scanf("%d",&pen);

 if (pen>=79&&pen<=100)

 {

 printf("A");

 }

 else if (pen>=60&&pen>=69)

 {

 printf("B");

 }

 else if (pen>=50&&pen<=59)

 {

 printf("C");

 }

 else if (pen>40&&pen<=49)

 {

 printf("D");

 }

 else if(pen<=39)

 {

 printf("F");

 }

 else{

 printf("you might need to retake this exams");

 }

 return 0;

}