

Name: Khizar Ali

Roll No: 22P-9269

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Subject: Programming Fundamentals

Submitted To: M. Shoaib Khan





b/w two numbers: 1 Write maximum #include astdio.ho int max_of_two(int a, intb) if (a>b) {
 yeturn b;
} int main () fint a, b; Printf ("Enter 1st number"); Scanf("/d", &a); Printf ("Enter 2nd number"); scanf ("/.d", &b); int ans = max_of_two(a,b); printf("The maximum bew a and b is 1.d", and return 0;





0: Write a C Program to cheach weather is negative, positive or zero.

```
#include ¿stdio.h>
int main ()
  Printf("Enter a number \n");
  Scanf ("1.d", &a);
   if (a==0)
  Printf ("The number you entered is zero");
    Printf("The number you entered is positive");
 else

E printf ("The number you entered is negotive)
```

return 0;

3) Write a c program to cheack weakher a number is divisble by 5 and 11 or not.

#include 2 stdio.hz int main ()

int a;

Printf ("Enter a number");

Scanf ("%d", Na);

if (a%5 = =0)

E printf (" The number you entered is divible bys):

else if (a 1.11 == 0)

E printf ("The number you entered is divisible by 11);

else

Printf ("The number you entered is not divisble by 5 & 11");

return o;





```
Write a C program to cheack weather a numberis even or odd.
  #include estdio.h>
   int main ()
    Printf ("Enter a number");
    scanf ("1.d", &a);
   if (a%)==0)
    Printf("The number you entered is even");
        Printf ("The number you entered is odd");
   return 0;
```



5) Write a C Program to enter marks of Math, Biology, Math, Bive Subjects. Physics, Chemistry, Biology, Math, and computer. Calculate Percentage and grade according to Calculate Percentage and grade according to following. Percentage >= 90%. Grade A Percentagee 7= 80% Crade B Percentage >= 70% Grade C percentage >= 60% Grade D Percentage >= 4 0% Grade E percentoje &= 40% Grade F. #include ¿stdio.h> int main () int a, b, c, d, e, Sum; float percentage; Printf ("Enter marks of Physics"); Scapf (" -1.d", &a); printf (" Enter marks of chemistry); scapf("-/.d", &b); Biology); Printf(" Enter marks of scanf ("/.d", &c); Printf("Enter marks of Mathmaters); scanf (" / d", &d);





```
Printf ("Enter the marks of computer")
 Scanf(".1.d", De);
           ica sentrarial
  Sum = a +b+c +d+e;
  Percentage = Sum/5.0;
   Printf(" Your Percentage is
 if (Percentage >= 90)
     Printf (" Your Grade is A")
else if (Percentager = 80)
     printf ("Your Grade is B");
else if (Percentage >= 70)
     Printf ("Your Grade is (");
else if (percentage >= 60)
   Printf (" Your Grade 13 D");
else if (percentage >= 40)
    Printf ("Your Grade is E");
else
      Printf(" your Grade is
```





```
b) Write a C Program to input electercity unit charges and calculate total electercity bill
 according to given conditions:
  for first 50 unit RS 0.50/unit.
 For next 100 unit RS 0.75/unit.
 For next 100 units RS 1.20/unit.
 For above 250 units RS.1.56 /unit
An additional surcharge of 20% added to bills
 int um
  #include 25 Edio.h>
  int main ()
   int unit;
  Float amount, total_amount, Sur_charge;
 Printf ("Enter total unit consumed");
 Scanf (" % d", Qunit);
  if ( unit 2 = 50)
 amount = unit * 0.50;
else if (unit <= 150).
   amount = 25+ (unit -50) *0.75);
```





```
else if (unit 2 = 250) 

{ amount = 100 + (Lunit-150) *1.20);
  else

{ amount = 220+((unit-250)*1.50);
Sur_chaige = amount *0.20;
  total_amount = amount + sur_charge;
 Printf ("Total cost of electeraty is 7.-2f", total-amount);
 return 0;
```