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Assignment-10 Function in Clanguage
D WA function to calculate the ones of a circle (TSRS)
 #include (stdio. h)
  float area Circle (float); //declaration of function
   int main ()
    float A, 91;
    printf (" Enter radius of while: ");
    scanf("1,f",68);
    A = area Circle (r); // call the franction
     print("Area of winde is 1.f", A);
     netwen 0;
   float arealisale (float s) //define the function
   networn 3.14* 8*8;
D'write a function to calculate simple Enterest. (TSRS)
 #include (stdio. h>
 int simple Interest (int, int, int);
 int main!
   int p=2000, ZR=2, T=5;
   int SI = simple Interest (P, IR; T);
   printfl" Simple Interest is 1.d", SI);
   netwin 0;
 (ut simplifuterest (inta, int b, int c)
  9 return (0*6*c)/100;
                    to their whether a given number is even
  Write a function
                      the number is even, otherwise return D.
 or odd. Roturn 1 if
                       inf main ()
# Include (stdro. h>
 int check (int a)
                      d int n;
                        s.com ("%d", &n);
(it-(a1/.2==0)
                        int result = check (n);
     grotury 1;
                        printf("%d", nerult);
                        return 0;
    netwin 0;
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write a function to print first N nodwia number (TSRN) void printl(int a) # Include (stdio. h > void point N(int); tox (int i=1; i <=a; i++) int main () printf("Y.d", i); int n; scanf(">,d",bn) print N(n); greturn 0; to paint first Nodd natural numbers (TSRN) D Write a function void oddN(inta) #include (stdio, h> void odd N (int); int main On the for (i=0; i<a; 1++)
printf("/.d", 2*(+1); intn; scarf ("1./.d", dn); oddN(n); neturn 0; (Write a function to calculate the factorial of a number. (TSRS) #include(stdoo.h)
int fact (int a) d int n;
scomf (").d", &n); #Enclude (state, h) (int b = fact (n); for(i=1;i <=a; (++) printf("factorial of %d. is %d", n, rusult); box = (; horso) | frequent o; Stetwin b; 1) Write a function to calculate the number of combinations one commake from notherns and or selected at atime. (TSRS) #include (stdio.h) int combination (int n, into) int sult = fact (n) / (fact (x) & fact (n-v)); // fact (n) function abready defined above neturn nesult; int main () int n, r; scanf ("1.d",d",bn,br); int result = combination (n,r); printf ("C(1.d, 1.d") = 1.d", n, r, result); return 0; }

One can make from in items and or selected at a time (The #include (stdio.h) | int permutation (int n, int s) int fact (int a) & Int nexult; 1 (N) = X) intb=1;giesult = fact (n) / fact (n-8); tor (int i=1; icsa; i++) noturn result; 6 x = i; networn b; int main () int n, r, result; scanfl",d,d,d,,bn, 68); H(N>28) result= permutation (n, r); printf(".d", result); print(" must be n>= x"); return 0; 9) write a function to check whether a given number contains a given digit or not (TSRS). 1 int mount) #indude (steleo. h)
int search (int n, int digot) & int num=274278, digit 9; int result = search (num, digit); int rem; while (n) if(result = = 1) printf("found"); gem = n/10; if (rem == digit) printf(" Not found"); gretion 1; 3 retwin 0 n=n/10 return 0; Nould be 2,2,3,3. (TSRN). #include (84dio. h.) void prime fact (int n) for (int i=2; h =1; i++) while (n%1==0) n=n (1.1, d", i); 3 3 3

int main () int n; "y,d", (on);
scant("y,d", (on);
printact (n); netwin o: