**TREASURE HUNTER:**

#include <stdio.h>

int main() {

int a, b, c;

printf("Number of gold coins in the treasure: ");

scanf("%d", &a);

printf("Long Ben share %: ");

scanf("%d", &b);

printf("Blackbeard share %: ");

scanf("%d", &c);

int benShare = (b \* a) / 100;

int rg = a - benShare;

int blackbeardShare = (c \* rg) / 100;

int otherPiratesShare = (rg - blackbeardShare) / 3;

printf("Long Ben share: %d\n", benShare);

printf("Blackbeard share: %d\n", blackbeardShare);

printf("Otherpirates share: %d\n", otherPiratesShare);

return 0;

}

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**BOOK THE ALIEN:**

#include <stdio.h>

int main() {

int days, years, weeks, rd;

printf("Enter no of days: ");

scanf("%d", &days);

years = days / 365;

rd = days % 365;

weeks = rd / 7;

rd = rd % 7;

printf("Years: %d\n", years);

printf("Weeks: %d\n", weeks);

printf("Days: %d\n", rd);

return 0;

}

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**TANK:**

#include <stdio.h>

int main() {

float a, b, c,d, tv, tw;

printf("radius of the tank: ");

scanf("%f", &a);

printf("height of the tank: ");

scanf("%f", &b);

printf("amt of water received every hour: ");

scanf("%f", &c);

printf(" no of hrs the tank receives water: ");

scanf("%f", &d);

tv = 3.14 \* a \* a \* b;

tw = c \*d;

if (tw >= tv) {

printf("the tank can be filled in %0.2f hours \n",d);

} else {

printf("the tank cannot be filled in %0.2f hours \n",d);

}

return 0;

}

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**CALENDER:**

#include <stdio.h>

int main() {

int month,year;

printf("enter the month and year:");

scanf("%d%d",&month,&year);

int leap = (year%4==0&& year%100!=0)||(year%400==0);

switch(month){

case 1: case 3: case 5: case 7: case 8: case 10: case 12:

printf("no of days is 31");

break;

case 4: case 6: case 9: case 11:

printf("no of days in 30");

break;

case 2:

if(leap){

printf("no of days is 29");

}else{

printf("no of days is 28");

}

break;

}

return 0;

}

------------------------------------------------------------------------------------------------------------------------------

**LOOPING SERIES :6**

#include<stdio.h>

int main()

{

int n=5,i,j=2;

printf("2 ");

for(i=0;i<n-1;i++)

{

j=(j\*2)-i;

printf("%d ",j);

}

}

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**LOOPING SERIES: 7**

#include<stdio.h>

int main()

{

int n=5,i,p;

for(i=1;i<=n;i++)

{

p=pow(i,i);

printf("%d ",p);

}

return 0;

}

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