**Joy of coding – Day 2**

**Question 1**

#include<stdio.h>

int main()

{

int age;

printf("Enter your age:\n");

scanf("%d",&age);

if(age>=18)

printf("You are eligible to vote");

else

printf("You are not eligible to vote");

return 0;

}

**OR**

#include<stdio.h>

int main()

{

int age;

printf("Enter your age:\n");

scanf("%d",&age);

age>=18?printf("You are eligible to vote"):printf("You are not eligible to vote");

return 0;

}

**Output:**

** **

**Question 2**

#include<stdio.h>

#include<stdlib.h>

int main()

{

int a,b,l;

printf("Enter two numbers:\n");

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

if(a<0||b<0)

exit(0);

l=a>b?a:b;

printf("%d is the largest",l);

return 0;

}

----

#include<stdio.h>

#include<stdlib.h>

int main()

{

int a,b,c,l;

printf("Enter three numbers:\n");

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

if(a<0||b<0||c<0)

{

printf("Invalid number in input");

exit(0);

}

l=a>b?(a>c?a:c):(b>c?b:c);

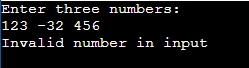
printf("%d is the largest",l);

return 0;

}

**Output:**

**   **

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**Question 3**

#include<stdio.h>

#include<stdlib.h>

int main()

{

int op1,op2;

float res;

char oper;

printf("Enter the value of operator:\n");

scanf("%c",&oper);

printf("Enter the value of operands:\n");

scanf("%d%d",&op1,&op2);

switch (oper)

{

case '+':

{

res=op1+op2;

break;

}

case '-':

{

res=op1-op2;

break;

}

case '\*':

{

res=op1\*op2;

break;

}

case '/':

{

if (op2==0)

{

printf("Division by zero is an error\n");

exit(0);

}

else

{

res=op1/op2;

}

break;

}

case '%':

{

if (op2==0)

{

printf("Division by zero is an error\n");

exit(0);

}

else

{

res=op1%op2;

}

break;

}

default:

{

printf("Invalid operator\n");

exit(0);

}

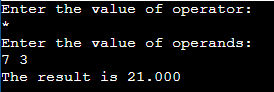
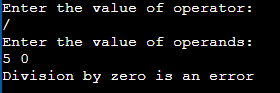
}

printf("The result is %.3f",res);

return 0;

}

**Output:**

**Question 4**

#include<stdio.h>

#include<stdlib.h>

int main()

{

int rank;

printf("Enter your rank:\n");

scanf("%d",&rank);

if(rank<=3250)

printf("You can get a seat in CSE, ISE, EandC & MEC");

else if(rank<=6505)

printf("You can get a seat in ISE, EandC & MEC");

else if(rank<=12012)

printf("You can get a seat in EandC & MEC");

else if(rank<=22340)

printf("You can get a seat in MEC");

else

printf("Admission at RNSIT is not possible");

return 0;

}

**Output:**



**Question 5**

#include<stdio.h>

#include<stdlib.h>

int main()

{

int book;

float amount=0;

printf("Enter number of books:\n");

scanf("%d",&book);

if(book<10000)

{

amount=book\*10;

printf("No discount !!!\n");

printf("The total cost Rs.%.3f",amount);

}

else if(book>10000&&book<15000)

{

amount=book\*10;

amount=amount-(0.1\*amount);

printf("Hey !! You got 10 percent discount !!!\n");

printf("The total cost Rs.%.3f",amount);

}

else if(book>15000&&book<20000)

{

amount=book\*10;

amount=amount-(0.2\*amount);

printf("Hey !! You got 20 percent discount !!!\n");

printf("The total cost Rs.%.3f",amount);

}

return 0;

}

**Output:**

