**LAB 5 ASSIGNMENT QUESTIONS**

**Q1.**

#include<stdio.h>

int main()

{

printf(" B for BURGER\n F for FRENCH FRIES\n P for PIZZA\n S for SANDWICHES\n");

char menu;

int quant,tp;

printf("Enter the order and quantity ");

scanf("%c%d", &menu,&quant);

switch(menu)

{

case 'b':

printf("The ordered item is buger\n");

tp=200\*quant;

printf("Total charge of order is %d\n", tp);

break;

case 'f':

printf("The ordered item is french fries\n");

tp=50\*quant;

printf("Total charge of order is %d\n", tp);

break;

case 'p':

printf("The ordered item is pizza\n");

tp=500\*quant;

printf("Total charge of order is %d\n", tp);

break;

case 's':

printf("The ordered item is sandwiches\n");

tp=150\*quant;

printf("Total charge of order is %d", tp);

break;

}

return 0;

}

**Q2.**

#include<stdio.h>>

int main()

{

float x,y,output;

char op;

printf("Enter one of the character (+,-,\*,/) ");

scanf("%c", &op);

printf("Enter any two numbers ");

scanf("%f %f", &x,&y);

switch(op)

{

case '+':

output=x+y;

printf("OUTPUT is %f", output);

break;

case '-':

output=x-y;

printf("OUTPUT is %f", output);

break;

case '\*':

output=x\*y;

printf("OUTPUT is %f", output);

break;

case '/':

output=x/y;

printf("OUTPUT is %f", output);

break;

}

return 0;

}

**Q3.**

# include<stdio.h>

int main()

{

int school;

char dep;

printf("1 for School of computer science\n a for DEPARTMENT OF INFORMATICS\n b for DEPARTMENT OF MACHINE LEARNING\n");

printf("2 for School of business\n a for DEPARTMENT OF COMMERCE\n b for DEPARTMENT OF COMMERCE\n");

printf("3 for School of engineering\n a for DEPARTMENT OF MECHANICAL ENG\n b for DEPARTMENT OF MECHATRONICS ENG\n");

printf("Enter the School ");

scanf("%d", &school); getchar();

switch(school)

{

case 1:

printf("SCHOOL OF COMPUTER SCIENCE\n");

printf("Enter the department ");

scanf("%c", &dep);

switch(dep)

{

case 'a':

printf("DEPARTMENT OF INFORMATICS\n");

break;

case 'b':

printf("DEPARTMENT OF MACHINE LEARNING\n");

break;

}

break;

case 2:

printf("SCHOOL OF BUSINESS\n");

printf("Enter the department ");

scanf("%c", &dep);

switch(dep)

{

case 'a':

printf("DEPARTMENT OF COMMERCE\n");

break;

case 'b':

printf("DEPARTMENT OF COMMERCE\n");

break;

}

break;

case 3:

printf("SCHOOL OF ENGINEERING\n");

printf("Enter the department ");

scanf("%c", &dep);

switch(dep)

{

case 'a':

printf("DEPARTMENT OF MECHANICAL ENG\n");

break;

case 'b':

printf("DEPARTMENT OF MECHATRONICS ENG");

break;

}

}

return 0;

}

**Q4.**

#include<stdio.h>

int main()

{

int num=250;

int sum=0;

while(num > 200 && num < 400)

{

printf(" ENTER A NUM: ");

scanf("%d", &num);

sum=sum+num;

printf(" SUM IS: %d\n", sum);

}

return 0;

}

**Q5.**

#include <stdio.h>

int main()

{

int counter;

char alpha;

printf("Enter the character: ");

scanf(" %c",&alpha);

while((alpha>='a')&&(alpha<'z'))

{

printf("Enter the next character\n");

scanf(" %c",&alpha);

counter++;

}

printf("NO of characters entered is %d\n",counter);

return 0;

}

**Q6.**

#include<stdio.h>

int main()

{

char opt;

printf(" Enter Y for the start of game\n Enter N for good bye\n");

scanf("%c", &opt);

while(opt=='y')

{

printf("Game about to start\n");

break;

}

while(opt=='n')

{

printf("OK,Goodbye");

break;

}

while(opt!='y' && opt!='n')

{

printf("Sorry Enter Y/N only");

break;

}

return 0;

}

**Q7.**

#include<stdio.h>

int main()

{

char pass[128];

while(2)

{

printf("ENTER THE PASSWORD ");

scanf("%s",&pass);

if(strcmp(pass,"compscirules")==0)

{

printf("CORRECT PASSWORD\n");

break;

}

else

{

printf("PASSWORD DENIED\n");

}

return 0;

}

}