Assignment-3

Q-1

Ans

#include<stdio.h>

int main()

{

int x;

printf(“Enter a number\n”);

scanf(“%d”,&x);

if(x>=0)

printf(“positive”);

else

printf(“non-positive”);

reeturn 0;

}

Q-2

Ans

#include<stdio.h>

int main()

{

int x;

printf(“Enter a number\n”);

scanf(“%d”,&x);

if(x%5==0||)

printf(“divisible”);

else

printf(“not divisible”);

return 0;

}

Q-3

Ans

#include<stdio.h>

int main()

{

int x;

printf(“Enter a number\n”);

scanf(“%d”,&x);

if(x%2==0)

printf(“even number”);

else

printf(“odd number”);

return 0;

}

Q-4

Ans

#include<stdio.h>

int main()

{

int x,y;

printf(“Enter a number”);

scanf(“%d”,&x);

y=x/2;

if(x==y\*2)

printf(“even”);

else

printf(“odd”);

return 0;

}

Q-5

Ans

#include<stdio.h>

int main()

{

int x;

printf(“Enter a number\n”);

scanf(“%d”,&x);

if(x>99)

printf(“Three digit number”);

else

printf(“Not three digit number”);

return 0;

}

Q-6

Ans

#include<stdio.h>

int main()

{

int a,b;

printf(“Enter two numbers\n”);

scanf(“%d%d”,&a,&b);

if(a>b)

printf(“Largest Number is %d”,a);

else if(b>a)

printf(“Largest number is %d”,b);

else

printf(“Both are equal”);

return 0;

}

Q-12

Ans

#include<stdio.h>

int main()

{

char c;

printf(“Enter a character\n”);

scanf(“%c”,&c);

if((c>=’a’ && c<=’z’)||(c>=’A’&& c<=’A’))

printf(“%c Lower case”,c);

else

printf(“%c Upper case”,c);

return 0;

}

#include<stdio.h>

int main()

{

int x;

printf(“Enter a number\n”);

scanf(“%d”,&x);

if((x%3==0)&&(x%2==0))

printf(“divisible”);

else

printf(“not divisible”);

return 0;

}

Q-14

Ans

#include<stdio.h>

int main()

{

int x;

printf(“Enter a number\n”);

scanf(“%d”,&x);

if((x%7==0)||(x%3==0))

printf(“divisible”);

else

printf (“not divisible”);

return 0;

}

Q-15

Ans

#include<stdio.h>

int main()

{

int x;

printf("Enter a number\n");

scanf("%d",&x);

if(x>0)

printf("positive");

else if(x<0)

printf("Negative");

else

printf("zero");

return 0;

}

Q-16

Ans

#include<stdio.h>

int main()

{

char c;

printf(“Enter a character\n”);

scanf(“%c”,&c);

if((c>=’A’&& c<=’Z’))

printf(“Upper case”);

else if((c>=’a’&& c<=’z’))

printf(“Lower case”);

else if((c>=’0’&& c<=’9’))

printf(“Digit”);

else

printf(“special character”);

return 0;

}

Q-18

Ans

#include<stdio.h>

int main()

{

int month;

printf(“ Enter month number between (1-12)\n”);

scanf(“%d”,&month);

if(month==1)

printf(“31 days”);

else if(month==2)

printf(“28 or 29 days”);

else if(month==3)

printf(“31 days”);

else if(month==4)

printf(“30 days”);

else if(month==5)

printf(“31days”);

else if(month==6)

printf(“30 days”);

else if(month==7) then

printf(“31 days”);

else if(month==8)

printf(“31 days”);

else if( month==9)

printf(“31days”);

else if(month==10)

printf(“30 days”);

else if(month==11)

printf(“31 days”);

else if(month==12)

printf(“31 days”);

else

printf(“Enter a valid month i.e between (1-12”);

return 0;

}